1986 West Coast Troll Log Program and Summaries of 1984-86 Data

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ABSTRACT

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In 1986, the Fisheries Research Branch, Pacific Biological Station, Nanaimo, conducted for the third year a Troll Log Program on the West Coast of British Columbia including the inside waters of Georgia Strait. The program involved 97 commercial fishing boats and dealt with 2 objectives:

(1) To provide Catch Per Unit Effort of troll caught salmon in different statistical areas of the West Coast of British Columbia.

(2) To obtain precise information of coded-wire tagged salmon and steelhead as to the location of their capture, as well as their size, age, and origin.

Fishermen mailed in their log sheets and were paid through a Standing Offer Agreement.

RESUME

Jordan, F. P. and E. W. Carter. 1987. 1986 West Coast Troll Log Program and Summaries of 1984-86 Data. Can. Data Rep. Fish. Aquat. Sci. 653: 69 p.

En 1986, le personnel de la Direction de la recherche sur les pêches de la Station de biologie du Pacifique (Nanaimo) a réalisé le troisième volet annuel du programme de relevé des captures aux lignes traînantes sur la côte ouest de la Colombie-Britannique, y compris les eaux intérieures du détroit de Géorgie. Le programme visait 97 bateaux de pêche commerciale et deux objectifs principaux:

1) la cueillette de données sur les prises de saumon par unité d'effort aux lignes traînantes dans les différents districts statistiques de la côte ouest de la Colombie-Britannique et

2) l'obtention d'information précise sur l'endroit de capture, la taille, l'âge et l'origine des saumons et des truites arc-en-ciel anadromes porteurs d'étiquettes métalliques codées.

Les pêcheurs ont envoyé leurs formulaires de relevé par la poste et ont été payés dans le cadre d'une offre permanente.

INTRODUCTION

The 1986 program was basically identical to the 1985 program. The number of participating trollers fishing the West Coast of Vancouver Island ("outside") was 79 while there were 18 Strait of Georgia ("inside") trollers for a total of 97 log book vessels in 1986.

The 2 program objectives remained the same:

1) To provide Catch Per Unit Effort (CPUE) of troll-caught salmon in different statistical areas, expressed in Fish Per Hour.

2) To obtain precise information of coded-wire tagged salmon as to the date and location of their capture as well as their size, age, and origin.

To provide for these two objectives, fishermen were requested to list the following details on their daily troll log sheets:

1. Location fished (by map location or 2 LORAN coordinates)
2. Number of hours fished (Lines in the water)
3. Number of salmon caught (by species)
4. Attaching numbered strap-tags to the heads of adipose-clipped salmon
5. Measuring and recording fork-length of adipose-clipped salmon
6. Recording flesh colour of adipose-clipped chinook salmon

For this information, the fishermen were paid the sum of $5.00 for each fishing day recorded, plus the sum of $5.00 for each adipose-clipped fish which was found, measured, strap-tagged and delivered. A typical example of a log sheet is shown in Figure 1.

Fishermen mailed their log sheets to the Biological Station, Nanaimo, in prepaid envelopes as often as possible, usually after each fishing trip. Strap-tagged heads were recovered at landing sites and in some instances from the homes of fishermen by personnel of the contracting firm of J. E. Sager and Associates, who also extracted and identified the coded-wire tags from the heads.

As in the previous year, an effort was made in the selection of boats to spread the fishing coverage fairly even along the entire coast of British Columbia to include all statistical areas. It is, however, not an accurate reflection of the actual fishing effort of the entire fishing fleet in these areas.

Statistical areas of similarity are shown in Figure 2 and were grouped into main regions as follows:

Stat. Area	Region
1 - 5	North Coast
6 - 12	Central Coast
21 - 24	Southwest Vancouver I.
25 - 27	Northwest Vancouver I.
13 - 16	North Georgia Strait
17 - 19 + 29	South Georgia Strait

FISHING DAYS

North Coast and Central Coast

Open June 20 - Sept 5

Available fishing days: 78

Southwest and Northwest Vancouver Island

Open June 20 - Aug 30

Available fishing days: 72

North and South Georgia Strait

Open June 20 - Oct 4 = 107 days
Closed Oct. 5 - 7
Open Oct. 8 - 11 = 4 days

Available fishing days: 111

As in 1985, stringent species and area restrictions were in effect in the Strait of Georgia fishery limiting the catch of chinook. Starting in 1986, the minimum size limit for chinook was raised in the Strait of Georgia to standardize the legal size throughout the coast at 62 cm fork length.

ADIPOSE-CLIPPED SALMON RECOVERED

No. of heads recovered

This figure is the sum of all salmon heads strap-tagged and listed by fishermen on their log sheets.

No. of heads not recovered

This figure is the total of all heads which were not recovered for various reasons, for example:

1. Fish were sold whole by fish buyers to U.S. markets.

2. A few fish plant managers were uncooperative and did not permit access to the plant.

3. Fish were landed at isolated locations and unavailable to samplers.

Heads with no tags

Some fish shed their tag soon after tagging. Others may have a damaged adipose fin and were not tagged in the first place but fishermen decided to include them as a possible marked fish anyway. Approximately 10% of all adipose-clipped salmon will not have a tag.

Heads with unreadable tags

1. "No Data" - In a few cases the code on the wire tag could not be identified. Listed as "unreadable".

2. "Lost Tag" - A few tags were lost during dissection of the head. Also listed as "unreadable".

In a few instances fishermen forgot to record the information on the log sheets when an adipose marked fish was sighted and tagged. Most of these heads were recovered but are not listed in the summaries.

Other fish strap-tagged

A total of 3 sockeye, 9 chum, and 1 pink salmon were recovered but none contained a coded-wire tag.

Out of 10 adipose-clipped steelhead recovered, only 1 was coded-wire tagged and gave the following information:

Fork Length: 74 cm
Recovery Location: Stat. Area 2E
Recovery Date: Aug. 12/86

Release Date: April 1984
Release Location: Somass River

It should be noted that not all adipose-clipped steelhead contain a coded-wire tag. Hatcheries often adipose-clip their steelhead to enable

sports fishermen to differentiate between "wild" and "hatchery" fish in order to follow management regulations to release "wild" fish. This most probably would account for finding only 1 marked steelhead in 10 recovered.

CATCH PER UNIT EFFORT

Catch Per Unit Effort (CPUE) summaries are presented by species for individual statistical areas (Table 1) and by grouped areas (Table 2).

The coho catch was larger than in the previous two years of the log book program even though the allowable fishing time was reduced in 1986 (Jordan and Carter 1986; Jordan and Lapi 1985). All regions of the west coast reported good catches.

Chinook catches were lower in 1986. Although a few trollers reported higher catches than last year early in the season, the majority of fishermen soon chose to target on coho and sockeye, thereby affording the chinook stocks some additional protection.

Most sockeye were caught in the northwest Vancouver Island (Area 25-27) where the allowable 1.6 million fish allotted to the troll fishery were caught in a two-week period between July 31 and August 14. During this time, the coho catch rate dropped substantially in these areas.

The majority of pink and chum were caught in the central coast (Area 6-12) and north coast (Area 1-5).

ADIPOSE-CLIPPED SALMON RECOVERED

ORIGIN OF CODED-WIRE TAGGED FISH

As a result of the higher coho catches in 1986, the number of tag recoveries was also higher. Similarly, the lower chinook catch yielded a smaller number of tag recoveries. The total number of recoveries of coded-wire tagged chinook and coho by individual statistical area are given in Table 3 and 4, respectively. These recoveries are presented by combined statistical areas for chinook in Table 5 and coho in Table 6.

Recoveries of coded-wire tagged chinook of U.S. and Canadian origin in combined statistical areas are shown in Figure 3, and for coho in Figure 4.

Release site information for 1986 recoveries of coded-wire tagged chinook of Canadian origin is given in Table 7. Information for coho of Canadian origin is given in Table 8.

A summary of all recovered coded-wire tagged chinook of Canadian and U.S. origin by statistical area during log book years 1984-1986 is shown in Table 13. Table 14 summarizes this information by combined statistical areas and gives a percentage breakdown. A similar summary for coho is presented in Tables 15 and 16.

Recoveries of tagged fish from 1984-1986 are shown by country of origin and in percentages in Figure 8 for chinook and Figure 9 for coho.

AGE AND SIZE OF CHINOOK

Recoveries of chinook in southern waters showed higher percentages of younger and smaller fish while northern and central coast waters yielded older and larger fish (Table 9). Looking at recoveries from 1984-1986, it is apparent that chinook caught in southern waters are significantly smaller (Table 17, Fig. 10). A good example to compare extremes would be to look at the Swiftsure Bank (Area 21) and the west coast of Queen Charlotte Islands (Area 2W).

Area 21 had 84.1 percent 3-year old fish with an average length of 66.0 cm (only 4 cm larger than the allowable minimum size of 62 cm fork length).

Area 2W had 85.0 percent of 4-year and older fish with an average length of 87.9 cm fork length.

Figure 11 shows the mean fork length of coded-wire tagged chinook at different ages for the years 1984-1986.

Figure 12 shows the percentages of different ages for chinook in combined statistical areas during the years 1984-1986.

FLESH COLOUR OF CHINOOK

As in previous years, the majority of "white" fleshed coded-wire tagged chinook originated from Canadian hatcheries (Table 10). The summary of 1984-1986 tag recoveries points to the fact that 87 percent of white fleshed Canadian recoveries originated in the lower Fraser River System (Table 18).

COHO SIZE OBSERVATIONS

A total of 4292 coho tags were identified in 1986 compared to 2502 in 1985. This larger number of recoveries allowed comparisons of hatchery-produced coded-wire tagged coho and gave the following results:

1. U.S. hatchery coho were slightly larger than Canadian produced coho. This was the case in all combined statistical areas as seen in Tables 11 and 12 and Figure 5.

2. Coho are largest in the north and decrease in size in southern waters (Fig. 5).

3. The average coho grew approximatly 5-10 cm in fork length from the beginning of the fishing season on June 20 to the end of August. Weekly growth of coho in combined statistical areas for Canadian and U.S. recoveries is presented in Table 11, Figure 7 (Canadian) and Table 12 (U.S.). There were very few coho recoveries between July 31 and August 14 when boats targeted on sockeye so these few have been omitted from the figure.

4. The size of coded-wire tagged coho from three Strait of Georgia hatcheries (Capilano, Puntledge, and Quinsam) were compared to determine if fish from a particular hatchery varied in size between areas of capture. The recoveries in areas 1-5 were too few to draw any conclusions. The coho recovered in the Strait of Georgia (Area 13-19+29) and southwest Vancouver Island (Area 21-24) were smallest (Fig. 6). Most fish recovered in the central coast were caught in Area 11 and were larger than fish caught in the south at approximately the same time of capture. This may suggest that there could be a growth-inhibiting factor involved in Strait of Georgia and southwest Vancouver Island waters.

AVERAGE CATCH AND TIME FISHED

The variation in catch and time fished per boat from 1984 to 1986 for the "outside" trollers (Areas 1-12, 21-27) is presented in Table 19 and from 1985 to 1986 for the "inside" trollers (Areas 13-19 and 29) is in Table 20.

DRIFT NET PROGRAM

For a number of years the countries of Taiwan, Korea, and Japan have been conducting an extensive high seas gill net fishery for squid and immature salmon.

General concern was expressed that "lost" or "discarded" gill nets from this type of fishing could pose problems to North American fish stocks by "ghost fishing", entangling marine mammals and birds, and causing possible navigational hazards to vessels.

The fishing industry, fishermen, and the Federal Government were involved and, as part of the program, log book trollers were requested to report any sightings of offshore drift nets. There was a total of 15 sightings from all sources and these were mainly from the Queen Charlotte Islands. Only one sighting was reported off southwest Vancouver Island.

Based on the results, it would not appear that these nets pose a major navigational hazard. Further studies are necessary to assess impact on fish stocks and marine mammals.

KILLER WHALE SIGHTINGS

At the request of the Marine Mammals Investigation, log book trollers were asked to record the date, location, and general comments of any sightings of killer whales. Throughout the season there was a total of 62 sightings reported.

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Fish plant managers and personnel whose cooperation made the collection of tagged heads very successful.

The staff of J. E. Sager and Associates who recovered 82.2 percent of all salmon listed as strap-tagged and landed by fishermen.

Mr. Louis Lapi for his assistance in writing and modifying computer programs.

The following fishermen who participated in the program and made it possible:

"WESTCOAST"

Vessel	Fishermen
ALLONS	JOSEPH CADDY
BALTIC SPIRIT	STANLEY SAWEL
B.C. BELLE	TONY KARLSSON
BETTY M II	WILLIAM HAWTHORNTHWAITE
CANADIAN LADY	NORMAN BETTIS
CHARIOT	KENNETH CAMPBELL
CHIEF WAMISH	GERRY BURKHOLDER
CHRISTINA B	LAWRENCE HAINES
COURAGEOUS	GARY LIIMATTA
COWICHAN	GORDON BROOKS
CROWN	WILLIAM MCLEOD
DEANA MAR II	TOM HOPKINS
EARL ROY	ROBERT DUNN
EARLY SPRING 1	DONALD BREEDEN
EBIE	WILLIAM FRANCE
EDNA-F	DONALD ASHBEE
EQUINOX	MICHAEL LEMON
EROS	GEORGE GREER
EVENING BREEZE	PENTI KIISKILA
FANNY BAY II	ROBERT TRAVERS
FLAMINGO	ROBERT GLOVER
GEORGIANA	JACK PLACE
GLADIATOR	ERIC ANTILLA
GLADYS U	RAY UBELL
HARDY MAID	MICHAEL MORRIS
HELLS BELLS	THOMAS DORSETT
HIGH STAR	WILLIAM PLACE
HOPE ISLAND	ABE VANDERHORST
ISLAND VENTURE	VINCE FANTILLO
JABBERWOCK	JOHN BOYTE
JALUN RIVER	JOHN ARMSTRONG
JASPER	DON ARMITAGE
JOHNNY CANUCK	JOE KORSA
JR II	WALTER JOHNSON
KARM	CHRISTOPHER EARL
LOFOTEN II	WALLY SIMPSON
LORI II	ROBERT THOMPKINS

Vessel	Fishermen
MAILE II	TOM IKEDA
MERILDA II	WILLY DUNAN
MISS HARRIET	DON BOOL
NEO	GREG GOWER
NIGEI ISLE	RICHARD JORDAN
NORTH CAPE	OTTO CHUEDEN
NORTH ISLAND STAR	TOM RUSSEL
NORTHERN OCEAN	GARY CADORIN
NORTHERN STAR	DAVE HARDIE
NORZONE	BRUCE EVANS
OCEAN PRODUCER	FORD MCCLEOD
OCEAN RAY	LARRY MAXWELL
OCEAN TROLLER	THOMAS EARL
OCEAN TWILIGHT	ERIC OSTROM
OCEAN VOYAGER	JOHN WILLSON
PACIFIC INVADER	DAVE SMITH
PACIFIC KING	BRUCE ROBERTS
PRINCE OF DENMARK	RICHARD ROUSSIN
QUEST II	JOHN NICHOLSON
RAMU	JAMES MORRIS
RAVEN SPIRIT	KEN MONROE
REGAL VENTURE	UDO BILLING
REMBRANDT II	BRIAN FORBES
ROCELIA B	ALBERT COOTES
ROSALIE NO. 1	MARK FREDHEIM
ROSAN	GLENN MORRIS
SEABEAM	DICK WILLIAMS
SEA-ESTA IV	ROBERT PINEO
SEA STAR III	BRENT KORSA
SHAR-BON	ROBERT NAGGE
SILVER TIDE	RAY SORHEIM
SONORA II	JOSEPH GARCIA
SUMMIT	ROBERT SWEET
SWEET CHANGES	ROBERT EDWARDS
THERESA N	BEN NOOKEMIS
VIKING PRINCESS	RON WILSON
VIRGO	JIM WALTERS
WESCO	DAVE WILLIAMS
WESTFORELAND	PATRICK FORREST
WESTPOINT	JOHN DISNEY
WILDEB	ROBERT VIERECK
ZAYAS	TEUNIS WESTBROOK

"GEORGIA STRAIT"

Vessel	Fishermen
BLACKHEART	ANGUS CROCKER
BLUE MISTRESS	JOHN HAWKINS
CAROLYN	STAN GAMBLE
DREAM WEAVER	LORNE THAMES
ELVERA II	ROSS WEBB
FURY	OSCAR VAES
LIBERTY BELL	HELMUT BOSE
LOREAN	BILL MORGAN
LUCKY LADY IV	NEIL GUSTAFSON
NANAIMO CHIEF	ROBERT CHAMBERS
OFFSHORE I	DON HELLER
RICHMOND STAR	PETER KLAUI
ROCK 'N' ROLL II	CHARLES HARRIS
ROSA MAY	JIM NEWMAN
SEAL BAY	PETER WILSON
SILVER STAR NO. 1	TED EDWARDS
STRAIT LIFE	BOB VEZINA
TAG ALONG	LARRY GOUTHRO

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TABLE 1. 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

AREA 1	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	579.00	467	0.81	4669	8.06	3	0.01	1663	2.87	29	0.05
JUNE 22-28	1722.00	1103	0.64	7629	4.43	9	0.01	4944	2.87	104	0.06
JUNE 29-JULY 5	1230.50	540	0.44	7346	5.97	22	0.02	3099	2.52	197	0.16
JULY 6-12	1506.00	625	0.42	7301	4.85	154	0.10	11558	7.67	819	0.54
JULY 13-19	1366.50	440	0.32	7367	5.39	90	0.07	10693	7.83	266	0.19
JULY 20-26	874.00	208	0.24	4534	5.19	30	0.03	3999	4.58	94	0.11
JULY 27-AUG 2	997.50	487	0.49	4921	4.93	43	0.04	4818	4.83	77	0.08
AUG 3- 9	758.00	599	0.79	2650	3.50	86	0.11	4154	5.48	119	0.16
AUG 10-16	752.50	717	0.95	1812	2.41	73	0.10	3248	4.32	99	0.13
AUG 17-23	1332.50	980	0.74	4315	3.24	201	0.15	6820	5.12	172	0.13
AUG 24-30	1396.00	1089	0.78	3898	2.79	42	0.03	6042	4.33	285	0.20
AUG 31-SEPT 6	380.50	61	0.16	796	2.09	1	0.00	531	1.40	44	0.12
TOTAL	12895.00	7316		57238		754		61560		2305	

AREA 2E	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 22-28	110.00	38	0.35	582	5.29	0	0.00	94	0.85	0	0.00
JUNE 29-JULY 5	294.00	208	0.71	3488	11.86	1	0.00	223	0.76	14	0.05
JULY 6-12	375.00	147	0.39	3469	9.25	4	0.01	157	0.42	20	0.05
JULY 13-19	320.50	292	0.91	2915	9.10	1	0.00	116	0.36	20	0.06
JULY 20-26	276.50	83	0.30	1709	6.18	3	0.01	313	1.13	8	0.03
JULY 27-AUG 2	222.50	125	0.56	1775	7.98	16	0.07	1454	6.53	19	0.09
AUG 3- 9	328.00	122	0.37	2657	8.10	509	1.55	3232	9.85	106	0.32
AUG 10-16	162.00	77	0.48	588	3.63	1439	8.88	2929	18.08	197	1.22
AUG 17-23	345.00	114	0.33	1755	5.09	0	0.00	807	2.34	6	0.02
AUG 24-30	223.50	13	0.06	1298	5.81	0	0.00	32	0.14	7	0.03
AUG 31-SEPT 6	116.00	12	0.10	527	4.54	0	0.00	0	0.00	0	0.00
TOTAL	2773.00	1231		20763		1973		9357		397	

AREA 2W	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	18.00	20	1.11	21	1.17	0	0.00	0	0.00	0	0.00
JUNE 22-28	21.00	16	0.76	21	1.00	0	0.00	1	0.05	1	0.05
JUNE 29-JULY 5	21.00	23	1.10	43	2.05	0	0.00	0	0.00	1	0.05
JULY 6-12	45.00	33	0.73	122	2.71	0	0.00	7	0.16	1	0.02
JULY 13-19	3.00	1	0.33	1	0.33	0	0.00	1	0.33	0	0.00
JULY 20-26	22.00	24	1.09	32	1.45	0	0.00	197	8.95	3	0.14
JULY 27-AUG 2	62.00	194	3.13	330	5.32	8	0.13	69	1.11	12	0.19
AUG 3- 9	64.00	37	0.58	160	2.50	254	3.97	422	6.59	47	0.73
AUG 10-16	47.00	62	1.32	361	7.68	2	0.04	0	0.00	27	0.57
AUG 17-23	352.00	575	1.63	786	2.23	0	0.00	813	2.31	182	0.52
AUG 24-30	461.00	670	1.45	699	1.52	38	0.08	860	1.87	362	0.79
TOTAL	1116.00	1655		2576		302		2370		636	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

AREA 3	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 29-JULY 5	27.00	6	0.22	129	4.78	2	0.07	30	1.11	3	0.11
JULY 6-12	26.00	4	0.15	131	5.04	2	0.08	178	6.85	0	0.00
JULY 20-26	20.00	4	0.20	24	1.20	3	0.15	41	2.05	1	0.05
AUG 24-30	40.00	5	0.13	120	3.00	0	0.00	19	0.47	2	0.05
AUG 31-SEPT 6	177.50	25	0.14	367	2.07	1	0.01	59	0.33	16	0.09
TOTAL	290.50	44		771		8		327		22	

AREA 4	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JULY 20-26	9.00	2	0.22	18	2.00	0	0.00	0	0.00	0	0.00
AUG 17-23	65.00	12	0.18	289	4.45	0	0.00	107	1.65	1	0.02
AUG 24-30	52.00	5	0.10	129	2.48	0	0.00	91	1.75	1	0.02
AUG 31-SEPT 6	72.50	10	0.14	181	2.50	0	0.00	112	1.54	10	0.14
TOTAL	198.50	29		617		0		310		12	

AREA 5	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 22-28	67.50	10	0.15	239	3.54	0	0.00	30	0.44	2	0.03
JUNE 29-JULY 5	73.50	9	0.12	769	10.46	2	0.03	85	1.16	3	0.04
JULY 6-12	200.00	28	0.14	3457	17.28	1	0.00	150	0.75	3	0.01
JULY 13-19	230.50	28	0.12	1591	6.90	0	0.00	88	0.38	14	0.06
JULY 20-26	52.00	10	0.19	142	2.73	0	0.00	18	0.35	0	0.00
AUG 3- 9	38.50	17	0.44	333	8.65	0	0.00	0	0.00	1	0.03
AUG 10-16	24.00	17	0.71	69	2.88	0	0.00	6	0.25	0	0.00
AUG 31-SEPT 6	106.50	50	0.47	79	0.74	0	0.00	16	0.15	0	0.00
TOTAL	792.50	169		6679		3		393		23	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

AREA 6	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	19.00	45	2.37	34	1.79	0	0.00	0	0.00	0	0.00
JUNE 22-28	149.00	151	1.01	246	1.65	0	0.00	4	0.03	4	0.03
JUNE 29-JULY 5	75.50	52	0.69	118	1.56	0	0.00	10	0.13	11	0.15
JULY 6-12	91.50	116	1.27	124	1.36	0	0.00	11	0.12	16	0.17
JULY 13-19	14.00	21	1.50	29	2.07	0	0.00	3	0.21	4	0.29
JULY 20-26	64.00	68	1.06	95	1.48	0	0.00	5	0.08	3	0.05
AUG 3- 9	70.00	71	1.01	271	3.87	0	0.00	33	0.47	5	0.07
AUG 10-16	92.00	37	0.40	319	3.47	0	0.00	11	0.12	4	0.04
AUG 17-23	103.00	34	0.33	423	4.11	0	0.00	7	0.07	1	0.01
AUG 24-30	147.00	37	0.25	477	3.24	2	0.01	9	0.06	2	0.01
AUG 31-SEPT 6	23.00	1	0.04	36	1.57	1	0.04	15	0.65	6	0.26
TOTAL	848.00	633		2172		3		108		56	

AREA 7	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	18.00	9	0.50	12	0.67	0	0.00	0	0.00	0	0.00
JUNE 22-28	79.00	16	0.20	133	1.68	0	0.00	0	0.00	1	0.01
JUNE 29-JULY 5	158.50	58	0.37	242	1.53	0	0.00	12	0.08	5	0.03
JULY 6-12	122.50	43	0.35	337	2.75	0	0.00	16	0.13	2	0.02
JULY 13-19	113.00	44	0.39	213	1.88	0	0.00	23	0.20	5	0.04
JULY 20-26	42.00	7	0.17	62	1.48	1	0.02	13	0.31	16	0.38
JULY 27-AUG 2	199.00	187	0.94	565	2.84	1	0.01	88	0.44	40	0.20
AUG 3- 9	106.50	35	0.33	407	3.82	2	0.02	27	0.25	16	0.15
AUG 10-16	108.50	74	0.68	407	3.75	2	0.02	41	0.38	3	0.03
AUG 17-23	86.50	18	0.21	156	1.80	25	0.29	26	0.30	69	0.80
AUG 24-30	45.00	11	0.24	78	1.73	2	0.04	1	0.02	5	0.11
AUG 31-SEPT 6	128.00	14	0.11	203	1.59	1	0.01	5	0.04	1	0.01
TOTAL	1206.50	516		2815		34		252		163	

AREA 8	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	26.50	18	0.68	35	1.32	0	0.00	0	0.00	2	0.08
JUNE 22-28	18.00	5	0.28	19	1.06	0	0.00	0	0.00	1	0.06
JUNE 29-JULY 5	13.00	2	0.15	10	0.77	0	0.00	0	0.00	0	0.00
JULY 6-12	14.00	5	0.36	45	3.21	0	0.00	0	0.00	44	3.14
JULY 13-19	10.00	1	0.10	5	0.50	0	0.00	3	0.30	2	0.20
JULY 20-26	53.00	1	0.02	57	1.08	140	2.64	435	8.21	107	2.02
AUG 31-SEPT 6	4.00	1	0.25	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL	138.50	33		171		140		438		156	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

AREA 9	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JULY 6-12	58.50	11	0.19	148	2.53	50	0.85	36	0.62	89	1.52
JULY 13-19	146.00	10	0.07	206	1.41	1013	6.94	1373	9.40	196	1.34
JULY 20-26	82.50	8	0.10	53	0.64	190	2.30	466	5.65	136	1.65
JULY 27-AUG 2	73.50	9	0.12	45	0.61	26	0.35	518	7.05	105	1.43
TOTAL	360.50	38		452		1279		2393		526	

AREA 10	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	13.00	8	0.62	14	1.08	0	0.00	0	0.00	0	0.00
JUNE 22-28	118.00	17	0.14	2195	18.60	0	0.00	3	0.03	55	0.47
JUNE 29-JULY 5	26.00	26	1.00	87	3.35	0	0.00	2	0.08	0	0.00
JULY 13-19	464.00	37	0.08	773	1.67	27	0.06	212	0.46	4167	8.98
JULY 20-26	252.50	16	0.06	247	0.98	88	0.35	2086	8.26	715	2.83
JULY 27-AUG 2	158.00	49	0.31	538	3.41	6	0.04	313	1.98	147	0.93
AUG 10-16	9.00	18	2.00	33	3.67	0	0.00	0	0.00	0	0.00
AUG 17-23	178.00	88	0.49	434	2.44	1	0.01	1	0.01	0	0.00
AUG 24-30	93.00	26	0.28	150	1.61	0	0.00	0	0.00	0	0.00
AUG 31-SEPT 6	8.00	3	0.38	6	0.75	0	0.00	0	0.00	0	0.00
TOTAL	1319.50	288		4477		122		2617		5084	

AREA 11	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	321.00	271	0.84	5830	18.16	0	0.00	0	0.00	7	0.02
JUNE 22-28	995.00	253	0.25	21404	21.51	1	0.00	3	0.00	279	0.28
JUNE 29-JULY 5	777.50	279	0.36	9857	12.68	0	0.00	9	0.01	1784	2.29
JULY 6-12	1141.50	161	0.14	5687	4.98	28	0.02	86	0.08	6440	5.64
JULY 13-19	1078.50	213	0.20	4834	4.48	21	0.02	138	0.13	4437	4.11
JULY 20-26	489.00	172	0.35	1146	2.34	116	0.24	76	0.16	1131	2.31
JULY 27-AUG 2	294.00	81	0.28	461	1.57	0	0.00	241	0.82	1214	4.13
AUG 3- 9	43.00	0	0.00	14	0.33	985	22.91	0	0.00	7	0.16
AUG 10-16	54.00	2	0.04	14	0.26	1021	18.91	0	0.00	29	0.54
AUG 17-23	371.00	131	0.35	1391	3.75	0	0.00	10	0.03	0	0.00
AUG 24-30	481.00	108	0.22	1286	2.67	0	0.00	5	0.01	0	0.00
AUG 31-SEPT 6	150.00	41	0.27	322	2.15	0	0.00	0	0.00	0	0.00
TOTAL	6195.50	1712		52246		2172		568		15328	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

AREA 12	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
AUG 17-23	34.00	8	0.24	90	2.65	0	0.00	0	0.00	0	0.00
AUG 24-30	17.00	0	0.00	47	2.76	0	0.00	0	0.00	0	0.00
TOTAL	51.00	8		137		0		0		0	

AREA 21	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 29-JULY 5	204.00	333	1.63	1336	6.55	0	0.00	0	0.00	0	0.00
JULY 6-12	9.00	6	0.67	31	3.44	0	0.00	0	0.00	0	0.00
JULY 13-19	157.00	132	0.84	822	5.24	0	0.00	0	0.00	1	0.01
JULY 20-26	44.50	2	0.04	423	9.51	0	0.00	0	0.00	0	0.00
JULY 27-AUG 2	80.00	43	0.54	951	11.89	97	1.21	0	0.00	0	0.00
AUG 3- 9	46.00	4	0.09	172	3.74	409	8.89	0	0.00	0	0.00
AUG 17-23	110.00	42	0.38	1386	12.60	0	0.00	0	0.00	0	0.00
AUG 24-30	407.00	214	0.53	3317	8.15	0	0.00	0	0.00	0	0.00
TOTAL	1057.50	776		8438		506		0		1	

AREA 23	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	475.50	1837	3.86	6273	13.19	0	0.00	5	0.01	7	0.01
JUNE 22-28	1284.50	2464	1.92	12232	9.52	0	0.00	4	0.00	27	0.02
JUNE 29-JULY 5	580.50	625	1.08	5208	8.97	0	0.00	0	0.00	2	0.00
JULY 6-12	826.50	258	0.31	10956	13.26	0	0.00	0	0.00	11	0.01
JULY 13-19	632.50	424	0.67	5165	8.17	0	0.00	1	0.00	2	0.00
JULY 20-26	593.00	333	0.56	5576	9.40	0	0.00	0	0.00	6	0.01
JULY 27-AUG 2	400.50	344	0.86	4321	10.79	0	0.00	2	0.00	1	0.00
AUG 3- 9	8.00	0	0.00	5	0.63	30	3.75	0	0.00	0	0.00
AUG 10-16	20.00	42	2.10	189	9.45	36	1.80	0	0.00	0	0.00
AUG 17-23	1114.50	917	0.82	14836	13.31	0	0.00	0	0.00	0	0.00
AUG 24-30	515.00	299	0.58	3121	6.06	0	0.00	1	0.00	0	0.00
TOTAL	6450.50	7543		67882		66		13		56	

TABLE 1 (cont'd) WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

AREA 24	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	225.50	396	1.76	3441	15.26	0	0.00	4	0.02	26	0.12
JUNE 22-28	755.00	579	0.77	7299	9.67	0	0.00	26	0.03	439	0.58
JUNE 29-JULY 5	421.50	359	0.85	2686	6.37	0	0.00	6	0.01	76	0.18
JULY 6-12	538.00	366	0.68	2711	5.04	0	0.00	7	0.01	29	0.05
JULY 13-19	250.50	297	1.19	750	2.99	0	0.00	0	0.00	3	0.01
JULY 20-26	363.00	473	1.30	333	0.92	0	0.00	0	0.00	1	0.00
JULY 27-AUG 2	105.00	34	0.32	399	3.80	383	3.65	0	0.00	3	0.03
AUG 3- 9	293.00	23	0.08	238	0.81	2450	8.36	4	0.01	48	0.16
AUG 10-16	200.50	132	0.66	224	1.12	1164	5.81	0	0.00	4	0.02
AUG 17-23	274.00	229	0.84	1757	6.41	0	0.00	0	0.00	0	0.00
AUG 24-30	697.00	185	0.27	3928	5.64	0	0.00	1	0.00	11	0.02
TOTAL	4123.00	3073		23766		3997		48		640	

AREA 25	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	74.50	63	0.85	1051	14.11	0	0.00	1	0.01	93	1.25
JUNE 22-28	222.00	162	0.73	3053	13.75	0	0.00	2	0.01	1063	4.79
JUNE 29-JULY 5	306.50	151	0.49	2640	8.61	0	0.00	5	0.02	845	2.76
JULY 6-12	346.00	73	0.21	1519	4.39	0	0.00	2	0.01	991	2.86
JULY 13-19	422.00	101	0.24	1609	3.81	0	0.00	5	0.01	877	2.08
JULY 20-26	45.50	8	0.18	53	1.16	0	0.00	0	0.00	2	0.04
JULY 27-AUG 2	247.00	68	0.28	531	2.15	1286	5.21	29	0.12	56	0.23
AUG 3- 9	1081.00	116	0.11	708	0.65	10688	9.89	104	0.10	327	0.30
AUG 10-16	1437.50	136	0.09	454	0.32	21086	14.67	13	0.01	199	0.14
AUG 17-23	161.50	50	0.31	136	0.84	351	2.17	1	0.01	4	0.02
AUG 24-30	89.00	45	0.51	163	1.83	0	0.00	1	0.01	0	0.00
TOTAL	4432.50	973		11917		33411		163		4457	

AREA 26	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	12.00	21	1.75	151	12.58	0	0.00	0	0.00	3	0.25
JUNE 22-28	222.50	306	1.38	1389	6.24	0	0.00	12	0.05	409	1.84
JUNE 29-JULY 5	195.50	87	0.45	1013	5.18	0	0.00	3	0.02	1251	6.40
JULY 6-12	141.00	81	0.57	527	3.74	0	0.00	7	0.05	353	2.50
JULY 13-19	201.50	71	0.35	714	3.54	0	0.00	0	0.00	165	0.82
JULY 27-AUG 2	765.00	98	0.13	1129	1.48	4858	6.35	475	0.62	657	0.86
AUG 3- 9	670.00	30	0.04	853	1.27	5000	7.46	324	0.48	431	0.64
AUG 10-16	346.00	19	0.05	135	0.39	5501	15.90	17	0.05	61	0.18
AUG 17-23	26.00	25	0.96	47	1.81	0	0.00	1	0.04	0	0.00
AUG 24-30	17.00	12	0.71	23	1.35	0	0.00	0	0.00	0	0.00
TOTAL	2596.50	750		5981		15359		839		3330	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

AREA 27	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	31.00	23	0.74	500	16.13	0	0.00	0	0.00	42	1.35
JUNE 22-28	307.00	171	0.56	2272	7.40	0	0.00	2	0.01	552	1.80
JUNE 29-JULY 5	288.50	255	0.88	1926	6.68	0	0.00	1	0.00	769	2.67
JULY 6-12	305.50	170	0.56	2134	6.99	0	0.00	17	0.06	279	0.91
JULY 13-19	227.00	63	0.28	921	4.06	0	0.00	0	0.00	395	1.74
JULY 20-26	217.00	56	0.26	195	0.90	0	0.00	0	0.00	406	1.87
JULY 27-AUG 2	1685.00	209	0.12	1462	0.87	8830	5.24	1912	1.13	1990	1.18
AUG 3- 9	2617.00	127	0.05	1277	0.49	24577	9.39	3820	1.46	1869	0.71
AUG 10-16	1446.50	61	0.04	397	0.27	19639	13.58	759	0.52	453	0.31
AUG 17-23	37.00	4	0.11	86	2.32	0	0.00	0	0.00	0	0.00
AUG 24-30	93.00	78	0.84	195	2.10	0	0.00	0	0.00	0	0.00
TOTAL	7254.50	1217		11365		53046		6511		6755	
GRAND	54099.50	28904		280451		113470		93254		40339	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.
STRAIT OF GEORGIA

AREA 13	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	12.00	24	2.00	13	1.08	0	0.00	0	0.00	0	0.00
JUNE 22-28	19.00	15	0.79	22	1.16	0	0.00	0	0.00	0	0.00
JULY 6-12	9.00	6	0.67	67	7.44	0	0.00	0	0.00	0	0.00
JULY 20-26	4.00	0	0.00	10	2.50	0	0.00	0	0.00	0	0.00
JULY 27-AUG 2	23.00	0	0.00	87	3.78	0	0.00	6	0.26	0	0.00
AUG 10-16	29.00	0	0.00	2	0.07	169	5.83	0	0.00	2	0.07
AUG 17-23	9.00	0	0.00	0	0.00	40	4.44	0	0.00	0	0.00
AUG 24-30	36.00	0	0.00	0	0.00	152	4.22	0	0.00	1	0.03
AUG 31-SEPT 6	11.00	0	0.00	4	0.36	125	11.36	0	0.00	0	0.00
TOTAL	152.00	45		205		486		6		3	

AREA 14	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	272.00	760	2.79	1252	4.60	0	0.00	6	0.02	0	0.00
JUNE 22-28	707.00	1372	1.94	2705	3.83	2	0.00	1	0.00	0	0.00
JUNE 29-JULY 5	522.00	713	1.37	2735	5.24	1	0.00	1	0.00	0	0.00
JULY 6-12	506.50	418	0.83	3015	5.95	0	0.00	0	0.00	0	0.00
JULY 13-19	582.50	172	0.30	2785	4.78	0	0.00	0	0.00	0	0.00
JULY 20-26	382.00	0	0.00	1635	4.28	0	0.00	2	0.01	0	0.00
JULY 27-AUG 2	442.00	0	0.00	1792	4.05	0	0.00	0	0.00	0	0.00
AUG 3- 9	101.50	0	0.00	767	7.56	0	0.00	0	0.00	0	0.00
AUG 10-16	130.50	0	0.00	501	3.84	10	0.08	0	0.00	0	0.00
AUG 17-23	151.00	0	0.00	583	3.86	3	0.02	0	0.00	0	0.00
AUG 24-30	93.00	0	0.00	368	3.96	1	0.01	0	0.00	0	0.00
AUG 31-SEPT 6	217.50	0	0.00	901	4.14	11	0.05	0	0.00	0	0.00
SEPT 7-13	265.00	0	0.00	809	3.05	0	0.00	0	0.00	0	0.00
SEPT 14-20	233.00	0	0.00	663	2.85	0	0.00	0	0.00	1	0.00
SEPT 21-27	131.50	0	0.00	313	2.38	0	0.00	0	0.00	0	0.00
SEPT 28-OCT 4	100.50	0	0.00	199	1.98	0	0.00	0	0.00	0	0.00
OCT 5-11	72.50	0	0.00	179	2.47	0	0.00	0	0.00	2	0.03
TOTAL	4910.00	3435		21202		28		10		3	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.
STRAIT OF GEORGIA

AREA 15	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	21.00	51	2.43	0	0.00	0	0.00	0	0.00	0	0.00
JUNE 22-28	162.00	262	1.62	174	1.07	0	0.00	0	0.00	0	0.00
JUNE 29-JULY 5	153.50	193	1.26	200	1.30	0	0.00	0	0.00	0	0.00
JULY 6-12	51.00	46	0.90	35	0.69	0	0.00	0	0.00	0	0.00
JULY 13-19	40.50	0	0.00	180	4.44	0	0.00	0	0.00	0	0.00
JULY 20-26	107.00	0	0.00	314	2.93	0	0.00	0	0.00	0	0.00
JULY 27-AUG 2	127.00	0	0.00	333	2.62	0	0.00	0	0.00	0	0.00
AUG 3- 9	86.50	0	0.00	192	2.22	0	0.00	0	0.00	0	0.00
AUG 10-16	47.00	0	0.00	68	1.45	0	0.00	0	0.00	0	0.00
AUG 17-23	43.00	0	0.00	150	3.49	0	0.00	0	0.00	0	0.00
AUG 24-30	7.00	0	0.00	18	2.57	0	0.00	0	0.00	0	0.00
AUG 31-SEPT 6	109.00	0	0.00	310	2.84	0	0.00	0	0.00	0	0.00
SEPT 7-13	118.00	0	0.00	299	2.53	0	0.00	0	0.00	1	0.01
SEPT 14-20	129.00	0	0.00	177	1.37	0	0.00	0	0.00	0	0.00
SEPT 21-27	92.00	0	0.00	124	1.35	0	0.00	0	0.00	0	0.00
SEPT 28-OCT 4	18.00	0	0.00	15	0.83	0	0.00	0	0.00	0	0.00
TOTAL	1311.50	552		2589		0		0		1	

AREA 16	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 29-JULY 5	26.00	6	0.23	234	9.00	0	0.00	0	0.00	0	0.00
JULY 6-12	46.00	19	0.41	204	4.43	0	0.00	0	0.00	0	0.00
JULY 13-19	12.00	0	0.00	29	2.42	0	0.00	0	0.00	0	0.00
JULY 20-26	35.00	0	0.00	58	1.66	0	0.00	0	0.00	0	0.00
JULY 27-AUG 2	10.00	0	0.00	14	1.40	0	0.00	0	0.00	0	0.00
AUG 3- 9	13.00	0	0.00	101	7.77	0	0.00	0	0.00	0	0.00
AUG 10-16	34.00	0	0.00	207	6.09	0	0.00	0	0.00	0	0.00
AUG 17-23	24.00	0	0.00	5	0.21	41	1.71	0	0.00	1	0.04
AUG 24-30	67.00	0	0.00	7	0.10	193	2.88	0	0.00	0	0.00
AUG 31-SEPT 6	217.00	0	0.00	22	0.10	547	2.52	0	0.00	2	0.01
TOTAL	484.00	25		881		781		0		3	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.
STRAIT OF GEORGIA

AREA 17	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	45.50	46	1.01	61	1.34	0	0.00	0	0.00	0	0.00
JUNE 22-28	110.50	137	1.24	141	1.28	0	0.00	0	0.00	0	0.00
JUNE 29-JULY 5	162.50	152	0.94	278	1.71	0	0.00	0	0.00	0	0.00
JULY 6-12	84.00	63	0.75	128	1.52	0	0.00	0	0.00	0	0.00
JULY 13-19	69.50	13	0.19	173	2.49	0	0.00	0	0.00	0	0.00
JULY 20-26	25.00	0	0.00	23	0.92	0	0.00	0	0.00	0	0.00
JULY 27-AUG 2	22.00	0	0.00	28	1.27	0	0.00	0	0.00	0	0.00
AUG 31-SEPT 6	6.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
SEPT 7-13	10.00	0	0.00	9	0.90	0	0.00	0	0.00	0	0.00
SEPT 14-20	48.00	0	0.00	16	0.33	0	0.00	0	0.00	0	0.00
SEPT 21-27	32.00	0	0.00	9	0.28	0	0.00	0	0.00	0	0.00
TOTAL	615.00	411		866		0		0		0	

AREA 18	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	7.50	2	0.27	0	0.00	0	0.00	0	0.00	0	0.00
JUNE 22-28	28.00	31	1.11	1	0.04	0	0.00	0	0.00	0	0.00
JUNE 29-JULY 5	8.00	7	0.88	0	0.00	0	0.00	0	0.00	0	0.00
JULY 6-12	28.00	9	0.32	13	0.46	0	0.00	0	0.00	0	0.00
JULY 20-26	9.00	0	0.00	5	0.56	0	0.00	0	0.00	0	0.00
AUG 3- 9	47.00	0	0.00	6	0.13	505	10.74	0	0.00	0	0.00
AUG 17-23	148.00	0	0.00	26	0.18	309	2.09	0	0.00	0	0.00
AUG 24-30	23.00	0	0.00	1	0.04	153	6.65	0	0.00	0	0.00
AUG 31-SEPT 6	25.00	0	0.00	1	0.04	40	1.60	0	0.00	0	0.00
SEPT 7-13	12.00	0	0.00	2	0.17	0	0.00	0	0.00	0	0.00
SEPT 21-27	15.00	0	0.00	5	0.33	0	0.00	0	0.00	0	0.00
TOTAL	350.50	49		60		1007		0		0	

TABLE 1 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.
STRAIT OF GEORGIA

AREA 29	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	30.00	48	1.60	55	1.83	0	0.00	0	0.00	0	0.00
JUNE 22-28	87.00	177	2.03	65	0.75	0	0.00	0	0.00	0	0.00
JUNE 29-JULY 5	95.00	152	1.60	51	0.54	0	0.00	0	0.00	0	0.00
JULY 6-12	65.00	49	0.75	75	1.15	0	0.00	0	0.00	0	0.00
JULY 13-19	35.00	0	0.00	121	3.46	0	0.00	0	0.00	0	0.00
JULY 20-26	38.00	0	0.00	48	1.26	0	0.00	0	0.00	0	0.00
JULY 27-AUG 2	40.00	0	0.00	85	2.13	0	0.00	0	0.00	0	0.00
AUG 3- 9	420.00	0	0.00	12	0.03	4726	11.25	0	0.00	0	0.00
AUG 10-16	94.00	0	0.00	3	0.03	927	9.86	0	0.00	0	0.00
AUG 17-23	105.00	0	0.00	82	0.78	285	2.71	0	0.00	0	0.00
AUG 24-30	332.00	0	0.00	69	0.21	4761	14.34	0	0.00	0	0.00
SEPT 7-13	22.00	0	0.00	20	0.91	0	0.00	0	0.00	0	0.00
SEPT 14-20	19.00	0	0.00	11	0.58	0	0.00	0	0.00	0	0.00
SEPT 21-27	16.00	0	0.00	8	0.50	0	0.00	0	0.00	0	0.00
SEPT 28-OCT 4	57.00	0	0.00	5	0.09	130	2.28	0	0.00	0	0.00
TOTAL	1455.00	426		710		10829		0		0	
GRAND	9278.00	4943		26513		13131		16		10	

TABLE 2. 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

GENERAL AREA : NORTH

AREA 1-5	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	597.00	487	0.82	4690	7.86	3	0.01	1663	2.79	29	0.05
JUNE 22-28	1920.50	1167	0.61	8471	4.41	9	0.00	5069	2.64	107	0.06
JUNE 29-JULY 5	1646.00	786	0.48	11775	7.15	27	0.02	3437	2.09	218	0.13
JULY 6-12	2152.00	837	0.39	14480	6.73	161	0.07	12050	5.60	843	0.39
JULY 13-19	1920.50	761	0.40	11874	6.18	91	0.05	10898	5.67	300	0.16
JULY 20-26	1253.50	331	0.26	6459	5.15	36	0.03	4568	3.64	106	0.08
JULY 27-AUG 2	1282.00	806	0.63	7026	5.48	67	0.05	6341	4.95	108	0.08
AUG 3- 9	1188.50	775	0.65	5800	4.88	849	0.71	7808	6.57	273	0.23
AUG 10-16	985.50	873	0.89	2830	2.87	1514	1.54	6183	6.27	323	0.33
AUG 17-23	2094.50	1681	0.80	7145	3.41	201	0.10	8547	4.08	361	0.17
AUG 24-30	2172.50	1782	0.82	6144	2.83	80	0.04	7044	3.24	657	0.30
AUG 31-SEPT 6	853.00	158	0.19	1950	2.29	2	0.00	718	0.84	70	0.08
TOTAL	18065.50	10444		88644		3040		74326		3395	

WESTCOAST TROLL PROGRAM
REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA FOR 1986

GENERAL AREA : CENTRAL

AREA 6-12	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	397.50	351	0.88	5925	14.91	0	0.00	0	0.00	9	0.02
JUNE 22-28	1359.00	442	0.33	23997	17.66	1	0.00	10	0.01	340	0.25
JUNE 29-JULY 5	1050.50	417	0.40	10314	9.82	0	0.00	33	0.03	1800	1.71
JULY 6-12	1428.00	336	0.24	6341	4.44	78	0.05	149	0.10	6591	4.62
JULY 13-19	1825.50	326	0.18	6060	3.32	1061	0.58	1752	0.96	8811	4.83
JULY 20-26	983.00	272	0.28	1660	1.69	535	0.54	3081	3.13	2108	2.14
JULY 27-AUG 2	724.50	326	0.45	1609	2.22	33	0.05	1160	1.60	1506	2.08
AUG 3- 9	219.50	106	0.48	692	3.15	987	4.50	60	0.27	28	0.13
AUG 10-16	263.50	131	0.50	773	2.93	1023	3.88	52	0.20	36	0.14
AUG 17-23	772.50	279	0.36	2494	3.23	26	0.03	44	0.06	70	0.09
AUG 24-30	783.00	182	0.23	2038	2.60	4	0.01	15	0.02	7	0.01
AUG 31-SEPT 6	313.00	60	0.19	567	1.81	2	0.01	20	0.06	7	0.02
TOTAL	10119.50	3228		62470		3750		6376		21313	

TABLE 2 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

GENERAL AREA : SOUTHWEST VANCOUVER ISLAND

AREA 21-24	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	701.00	2233	3.19	9714	13.86	0	0.00	9	0.01	33	0.05
JUNE 22-28	2039.50	3043	1.49	19531	9.58	0	0.00	30	0.01	466	0.23
JUNE 29-JULY 5	1206.00	1317	1.09	9230	7.65	0	0.00	6	0.00	78	0.06
JULY 6-12	1373.50	630	0.46	13698	9.97	0	0.00	7	0.01	40	0.03
JULY 13-19	1040.00	853	0.82	6737	6.48	0	0.00	1	0.00	6	0.01
JULY 20-26	1000.50	808	0.81	6332	6.33	0	0.00	0	0.00	7	0.01
JULY 27-AUG 2	585.50	421	0.72	5671	9.69	480	0.82	2	0.00	4	0.01
AUG 3- 9	347.00	27	0.08	415	1.20	2889	8.33	4	0.01	48	0.14
AUG 10-16	220.50	174	0.79	413	1.87	1200	5.44	0	0.00	4	0.02
AUG 17-23	1498.50	1188	0.79	17979	12.00	0	0.00	0	0.00	0	0.00
AUG 24-30	1619.00	698	0.43	10366	6.40	0	0.00	2	0.00	11	0.01
TOTAL	11631.00	11392		100086		4569		61		697	

WESTCOAST TROLL PROGRAM
REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA FOR 1986

GENERAL AREA : NORTHWEST VANCOUVER ISLAND

AREA 25-27	HOURS FISHED	CHINOOK KEPT		COHO KEPT		SOCKEYE KEPT		PINK KEPT		CHUM KEPT	
		NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR	NO.	PER HOUR
JUNE 15-21	117.50	107	0.91	1702	14.49	0	0.00	1	0.01	138	1.17
JUNE 22-28	751.50	639	0.85	6714	8.93	0	0.00	16	0.02	2024	2.69
JUNE 29-JULY 5	790.50	493	0.62	5579	7.06	0	0.00	9	0.01	2865	3.62
JULY 6-12	792.50	324	0.41	4180	5.27	0	0.00	26	0.03	1623	2.05
JULY 13-19	850.50	235	0.28	3244	3.81	0	0.00	5	0.01	1437	1.69
JULY 20-26	262.50	64	0.24	248	0.94	0	0.00	0	0.00	408	1.55
JULY 27-AUG 2	2697.00	375	0.14	3122	1.16	14974	5.55	2416	0.90	2703	1.00
AUG 3- 9	4368.00	273	0.06	2838	0.65	40265	9.22	4248	0.97	2627	0.60
AUG 10-16	3230.00	216	0.07	986	0.31	46226	14.31	789	0.24	713	0.22
AUG 17-23	224.50	79	0.35	269	1.20	351	1.56	2	0.01	4	0.02
AUG 24-30	199.00	135	0.68	381	1.91	0	0.00	1	0.01	0	0.00
TOTAL	14283.50	2940		29263		101816		7513		14542	

TABLE 2 (cont'd) 1986 WEST COAST TROLL LOG PROGRAM. REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA.

GENERAL AREA : NORTH STRAIT OF GEORGIA

AREA 13-16	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	305.00	835	2.74	1265	4.15	0	0.00	6	0.02	0	0.00
JUNE 22-28	888.00	1649	1.86	2901	3.27	2	0.00	1	0.00	0	0.00
JUNE 29-JULY 5	701.50	912	1.30	3169	4.52	1	0.00	1	0.00	0	0.00
JULY 6-12	612.50	489	0.80	3321	5.42	0	0.00	0	0.00	0	0.00
JULY 13-19	635.00	172	0.27	2994	4.71	0	0.00	0	0.00	0	0.00
JULY 20-26	528.00	0	0.00	2017	3.82	0	0.00	2	0.00	0	0.00
JULY 27-AUG 2	602.00	0	0.00	2226	3.70	0	0.00	6	0.01	0	0.00
AUG 3- 9	201.00	0	0.00	1060	5.27	0	0.00	0	0.00	0	0.00
AUG 10-16	240.50	0	0.00	778	3.23	179	0.74	0	0.00	2	0.01
AUG 17-23	227.00	0	0.00	738	3.25	84	0.37	0	0.00	1	0.00
AUG 24-30	203.00	0	0.00	393	1.94	346	1.70	0	0.00	1	0.00
AUG 31-SEPT 6	554.50	0	0.00	1237	2.23	683	1.23	0	0.00	2	0.00
SEPT 7-13	383.00	0	0.00	1108	2.89	0	0.00	0	0.00	1	0.00
SEPT 14-20	362.00	0	0.00	840	2.32	0	0.00	0	0.00	1	0.00
SEPT 21-27	223.50	0	0.00	437	1.96	0	0.00	0	0.00	0	0.00
SEPT 28-OCT 4	118.50	0	0.00	214	1.81	0	0.00	0	0.00	0	0.00
OCT 5-11	72.50	0	0.00	179	2.47	0	0.00	0	0.00	2	0.03
TOTAL	6857.50	4057		24877		1295		16		10	

WESTCOAST TROLL PROGRAM
REPORT OF CATCH PER UNIT EFFORT BY WEEK AND AREA FOR 1986

GENERAL AREA : SOUTH STRAIT OF GEORGIA

AREA 17-29	HOURS FISHED	CHINOOK KEPT NO.	CHINOOK KEPT PER HOUR	COHO KEPT NO.	COHO KEPT PER HOUR	SOCKEYE KEPT NO.	SOCKEYE KEPT PER HOUR	PINK KEPT NO.	PINK KEPT PER HOUR	CHUM KEPT NO.	CHUM KEPT PER HOUR
JUNE 15-21	83.00	96	1.16	116	1.40	0	0.00	0	0.00	0	0.00
JUNE 22-28	225.50	345	1.53	207	0.92	0	0.00	0	0.00	0	0.00
JUNE 29-JULY 5	265.50	311	1.17	329	1.24	0	0.00	0	0.00	0	0.00
JULY 6-12	177.00	121	0.68	216	1.22	0	0.00	0	0.00	0	0.00
JULY 13-19	104.50	13	0.12	294	2.81	0	0.00	0	0.00	0	0.00
JULY 20-26	72.00	0	0.00	76	1.06	0	0.00	0	0.00	0	0.00
JULY 27-AUG 2	62.00	0	0.00	113	1.82	0	0.00	0	0.00	0	0.00
AUG 3- 9	467.00	0	0.00	18	0.04	5231	11.20	0	0.00	0	0.00
AUG 10-16	94.00	0	0.00	3	0.03	927	9.86	0	0.00	0	0.00
AUG 17-23	253.00	0	0.00	108	0.43	594	2.35	0	0.00	0	0.00
AUG 24-30	355.00	0	0.00	70	0.20	4914	13.84	0	0.00	0	0.00
AUG 31-SEPT 6	31.00	0	0.00	1	0.03	40	1.29	0	0.00	0	0.00
SEPT 7-13	44.00	0	0.00	31	0.70	0	0.00	0	0.00	0	0.00
SEPT 14-20	67.00	0	0.00	27	0.40	0	0.00	0	0.00	0	0.00
SEPT 21-27	63.00	0	0.00	22	0.35	0	0.00	0	0.00	0	0.00
SEPT 28-OCT 4	57.00	0	0.00	5	0.09	130	2.28	0	0.00	0	0.00
TOTAL	2420.50	886		1636		11836		0		0	

Table 3. 1986 West coast troll log program. Recovery of coded-wire tags - CHINOOK.

Stat. Area	B.C.	Washington	Oregon	Alaska	California	Idaho	No pin in head	Pin unreadable	Head not recovered	Total heads delivered
1	21	37	42	10	-	1	14	-	27	152
2E	3	11	18	-	-	1	1	-	1	35
2W	1	11	6	-	-	-	2	-	4	24
3	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	1	1
5	1	3	-	-	-	1	2	-	-	7
1-5	26	62	66	10	-	3	19	-	33	219
6	5	6	5	-	-	-	2	-	5	23
7	11	1	1	-	-	-	-	-	5	18
8	1	1	-	-	-	-	-	-	1	3
9	-	1	-	-	-	-	-	-	-	1
10	1	-	-	-	-	-	-	-	3	4
11	13	11	7	-	-	-	1	-	5	37
12	-	-	-	-	-	-	-	-	-	-
6-12	31	20	13	-	-	-	3	-	19	86
25	2	5	3	-	-	-	-	-	8	18
26	1	6	3	-	-	1	2	-	-	13
27	4	8	4	-	-	-	1	-	13	30
25-27	7	19	10	-	-	1	3	-	21	61
21	-	3	4	-	-	-	1	-	1	9
23	14	66	28	-	6	-	10	-	33	157
24	4	16	11	-	-	-	6	-	11	48
21-24	18	85	43	-	6	-	17	-	45	214
13	-	-	-	-	-	-	-	-	1	1
14	27	1	-	-	-	-	-	-	3	31
15	17	1	-	-	-	-	-	-	3	21
16	-	-	-	-	-	-	1	-	-	1
13-16	44	2	-	-	-	-	1	-	7	54
17	1	-	-	-	-	-	1	-	-	2
18	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-
17-29	1	-	-	-	-	-	1	-	-	2

Table 4. 1986 West coast troll log program. Recovery of coded wire tags - COHO.

Stat. Area	B.C.	Wash.	Oregon	Alaska	Calif.	Idaho	No pins	Pin unreadable	Heads not recovered	Total no.heads delivered
1	42	6	2	17	-	-	19	-	17	103
2E	21	-	-	1	-	-	12	1	5	40
2W	7	8	-	1	-	-	2	-	8	26
3	-	-	-	-	-	-	1	-	-	1
4	-	-	-	-	-	-	-	-	-	-
5	24	4	-	3	-	-	9	2	-	42
1-5	94	18	2	22	-	-	43	3	30	212
6	4	2	-	-	-	-	2	-	-	8
7	5	-	-	-	-	-	2	-	1	8
8	-	-	-	-	-	-	-	-	-	-
9	1	-	-	-	-	-	1	1	1	4
10	20	2	-	-	-	-	5	-	11	38
11	587	107	3	1	-	-	103	6	127	934
12	-	-	-	-	-	-	-	-	6	6
6-12	617	111	3	1	-	-	113	7	146	998
25	65	108	7	-	-	-	26	1	152	359
26	42	53	-	-	-	-	20	-	16	131
27	48	28	3	-	-	-	16	-	50	145
25-27	155	189	10	-	-	-	62	1	218	635
21	32	128	8	-	-	-	28	1	42	239
23	300	1146	108	2	-	-	262	8	381	2207
24	110	322	20	-	-	-	71	1	154	678
21-24	442	1596	136	2	-	-	361	10	577	3124
13	-	-	-	-	-	-	-	-	1	1
14	693	77	-	-	-	-	95	4	87	956
15	53	4	-	-	-	-	3	-	11	71
16	27	1	-	-	-	-	2	-	-	30
13-16	773	82	-	-	-	-	100	4	99	1058
17	26	2	-	-	-	-	1	-	1	30
18	1	-	-	-	-	-	-	-	-	1
19	-	-	-	-	-	-	-	-	-	-
29	9	1	-	-	-	-	-	-	-	10
17-29	36	3	-	-	-	-	1	-	1	41

Table 5. 1986 West coast troll log program. Recovery of coded-wire tags - CHINOOK.

	North coast area 1-5	Central coast area 6-12	Northwest Vancouver Is. area 25-27	Southwest Vancouver Is. area 21-24	North Georgia St. area 13-16	South Georgia St. area 17-29	Total
Total chinook heads delivered:	219	86	61	214	54	2	636
No. chinook heads not recovered:	33	19	21	45	7	-	125
No. chinook heads with "no pin"	19	3	3	17	1	1	44
No. chinook heads with pin "unreadable"	-	-	-	-	-	-	-
No. chinook heads with readable pins:	167	64	37	152	46	1	467
Origin of tagged chinook with readable pins:							
British Columbia	26	31	7	18	44	1	127
U.S. Washington	62	20	19	85	2	-	188
U.S. Oregon	66	13	10	43	-	-	132
U.S. Alaska	10	-	-	-	-	-	10
U.S. California	-	-	-	6	-	-	6
U.S. Idaho	3	-	1	-	-	-	4
TOTAL	167	64	37	152	46	1	467
Percent Canadian tags:	15.6	48.4	18.9	11.8	95.7	100.0	
Percent U.S. tags:	84.4	51.6	81.1	88.2	4.3	0.0	

Table 6. 1986 West coast troll log program. Recovery of coded-wire tags - COHO.

	North coast area 1-5	Central coast area 6-12	Northwest Vancouver Is. area 25-27	Southwest Vancouver Is. area 21-24	North Georgia St. area 13-16	South Georgia St. area 17-29	Total
Total coho heads delivered:	212	998	635	3124	1058	41	6068
No. coho heads not recovered:	30	146	218	577	99	1	1071
No. coho heads with "no pin"	43	113	62	361	100	1	680
No. coho heads with pin "unreadable"	3	7	1	10	4	-	25
No. coho heads with readable pins:	136	732	354	2176	855	39	4292
Origin of tagged coho with readable pins:							
British Columbia	94	617	155	442	773	36	2117
U.S. Washington	18	111	189	1596	82	3	1999
U.S. Oregon	2	3	10	136	-	-	151
U.S. Alaska	22	1	-	2	-	-	25
U.S. California	-	-	-	-	-	-	-
U.S. Idaho	-	-	-	-	-	-	-
TOTAL	136	732	354	2176	855	39	4292
Percent Canadian tags:	69.1	84.3	43.8	20.3	90.4	92.3	
Percent U.S. tags:	30.9	15.7	56.2	79.7	9.6	7.7	

Table 7. 1986 West Coast Troll Log Progam. Origin of B.C. coded-wire tagged CHINOOK.

Release site	Caught Area 1-5	Caught 6-12	Caught 25-27	Caught 21-24	Caught 13-16	Caught 17-19+29	Total
Queen Charlotte Islands							
Yakoun R.	1	-	-	-	-	-	1
North Coast	-	-	-	-	-	-	-
Central Coast							
Atnarko R.	-	1	-	-	-	-	1
West Coast Vanc. Isl.							
Nitinat R.	1	-	-	-	-	-	1
Thornton Cr.	3	2	-	-	-	-	5
Robertson Cr.	3	-	-	-	-	-	3
Marble R.	2	2	-	-	-	-	4
Conuma R.	-	1	1	-	-	-	2
East Coast Vanc. Isl.							
Koksilah R.	-	2	-	1	4	-	7
Cowichan R.	-	1	1	1	-	-	3
Chemainus R.	-	-	1	2	4	-	7
Little Qualicum R.	-	1	1	-	8	-	10
Big Qualicum R.	-	6	-	-	6	-	12
Puntledge R.	1	-	-	-	-	-	1
Campbell R. Estuary	1	1	-	-	-	-	2
Quinsam R.	11	7	-	-	-	-	18
Discovery Passage	1	1	-	-	-	-	2
East Georgia Strait and Mainland							
Stewart R.	2	-	-	-	-	-	2
Chehalis R.	-	1	-	3	2	-	6
Chilliwack R.	-	3	1	10	9	1	24
Bowron R.	-	-	1	-	-	-	1
Tenderfoot Cr.	-	-	-	-	1	-	1
Capilano R.	-	2	1	1	7	-	11
Ashlu Cr.	-	-	-	-	1	-	1
Sliammon R.	-	-	-	-	1	-	1
Porpoise Bay	-	-	-	-	1	-	1
Totals	26	31	7	18	44	1	127

Table 8. 1986 West Coast Troll Log Progam. Origin of B.C. coded-wire tagged COHO.

Release site	Caught Area 1-5	Caught 6-12	Caught 25-27	Caught 21-24	Caught 13-16	Caught 17-19+29	Total
Queen Charlotte Islands							
Pallant Cr.	10	-	-	-	-	-	10
North Coast							
Cecil Cr.	26	3	-	-	-	-	29
Kitimat R.	29	2	-	-	-	-	31
Central Coast							
Snootli Cr.	2	-	-	-	-	-	2
West Coast Vanc. Isl.							
Robertson Cr.	1	7	11	11	-	-	30
Conuma R.	-	14	58	35	-	-	107
Stephens Cr.	-	4	9	2	-	-	15
East Coast Vanc. Isl.							
Quatse R.	14	48	7	3	1	-	73
Black Cr.	2	49	4	8	9	1	73
Puntledge R.	4	106	12	21	84	-	227
Blue Grouse Lake	-	3	-	1	1	1	6
Hell Diver Lake	-	2	-	-	-	-	2
Cruickshank R.	-	2	-	-	2	-	4
Cluxewe R.	-	1	-	-	-	-	1
White Duck Lake	-	3	-	-	-	-	3
Quinsam R.	1	253	16	23	77	2	372
Big Qualicum R.	-	7	1	5	12	-	25
Little Qualicum R.	-	5	-	1	10	-	16
Little Campbell R.	-	1	2	18	37	2	60
Chemainus R.	-	-	-	-	2	-	2
East Georgia Strait and Fraser System							
Porpoise Bay	-	4	1	1	8	1	15
Mamquam R.	-	6	-	12	23	1	42
Sliammon Cr.	-	8	-	3	45	-	56
Birkehead R.	1	5	-	17	1	-	24
Capilano R.	1	17	3	55	77	7	160
Coho Cr.	2	10	5	19	18	1	55
Chehalis R.	-	15	5	44	63	3	130
Weaver Cr.	-	5	4	29	39	2	79
Siddle Cr.	-	1	2	4	17	1	25
Blaney Cr.	-	2	-	6	5	-	13
Inch Cr.	-	4	-	17	47	2	70
Norrish Cr.	-	1	1	3	6	1	12
Nicomen Sl.	-	1	-	11	19	1	32
McTaggart Cr.	-	-	-	4	3	-	7

Table 8 (cont'd)

Release site	Caught Area 1-5	Caught 6-12	Caught 25-27	Caught 21-24	Caught 13-16	Caught 17-19+29	Total
East Georgia Strait and Fraser System							
Lemieux Cr.	-	-	-	6	-	-	6
Chilliwack R.	-	12	10	58	103	5	188
Vancouver R.	1	8	-	3	19	2	33
Tenderfoot Cr.	-	7	2	15	34	2	60
Salmon R. Thompson	-	-	1	5	2	1	9
Eagle R.	-	-	1	2	2	-	5
McKinley Cr.	-	-	-	-	1	-	1
Trent Cr.	-	1	-	-	6	-	7
Totals	94	617	155	442	773	36	2117

Table 9. 1986 West Coast Troll Log Program. Ages and mean fork lengths (cm) of recovered coded-wire tagged CHINOOK.

Statistical area	Age 3 No. chinook	Age 3 %	Age 3 Av. length	Age 4 No. chinook	Age 4 %	Age 4 Av. length	Age 5 No. chinook	Age 5 %	Age 5 Av. length
1	26	23.6	69.5	70	63.7	82.4	14	12.7	92.5
2E	29	87.9	68.6	4	12.1	80.8	-	-	-
2W	1	5.6	68.0	15	83.3	85.1	2	11.1	98.0
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
5	2	40.0	65.5	3	60.0	78.0	-	-	-
1-5	58	34.9	68.9	92	55.5	82.6	16	9.6	93.2
6	9	56.3	68.0	5	31.2	81.6	2	12.5	91.5
7	-	-	-	8	61.5	88.9	5	38.5	96.0
8	2	100.0	66.5	-	-	-	-	-	-
9	1	100.0	62.0	-	-	-	-	-	-
10	1	100.0	63.0	-	-	-	-	-	-
11	17	54.8	66.5	12	38.7	80.5	2	6.5	94.5
12	-	-	-	-	-	-	-	-	-
6-12	30	46.9	66.7	25	39.0	83.4	9	14.1	94.7
25	8	80.0	67.1	2	20.0	76.5	-	-	-
26	3	27.3	65.3	8	72.7	79.4	-	-	-
27	6	37.5	68.2	6	37.5	73.5	4	25.0	91.5
25-27	17	46.0	67.2	16	43.2	76.8	4	10.8	91.5
21	5	83.3	64.4	1	16.7	76.0	-	-	-
23	71	61.7	66.0	44	38.3	74.1	-	-	-
24	17	54.8	68.6	14	45.2	83.6	-	-	-
21-24	93	61.2	66.4	59	38.8	76.4	-	-	-
13	-	-	-	-	-	-	-	-	-
14	20	71.4	64.8	8	28.6	74.1	-	-	-
15	17	94.4	65.4	1	5.6	82.0	-	-	-
16	-	-	-	-	-	-	-	-	-
13-16	37	80.4	65.0	9	19.6	75.0	-	-	-
17	1	100.0	62.0	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-
17-19+29	1	100.0	62.0	-	-	-	-	-	-

Table 10. 1986 West coast troll log program. Flesh colour of coded-wire tagged CHINOOK.

Total no. of chinook graded for colour	No. "red" chinook	%	No. "white" chinook	%	No. readable pin in "white" chinook
565	539	95.4	26	4.6	18

Origin of "white" chinook:

Release sites	caught area 1-5	caught area 6-12	caught area 25-27	caught area 21-24	caught area 13-16	Total
Chilliwack R.	-	3	-	7	2	12
Chehalis R.	-	1	-	2	1	4
U.S. Alaska	2					2
	2	4	-	9	3	18

TABLE 11. 1986 WESTCOAST TROLL LOG PROGRAM - MEAN FORK LENGTH OF CODED-WIRE TAGGED COHO OF CANADIAN ORIGIN BY STAT. AREAS AND STAT. WEEKS.

	Stat. week	June 15-21	June 22-28	June 29 -July 5	July 6-12	July 13-19	July 20-26	July 27 -Aug. 2	Aug. 3-9	Aug. 10-16	Aug. 17-23	Aug. 24-30	Aug. 31 -Sept. 5	Mean length all season
Stat. areas 1-5	Total length	192	362	1038	1408	921	465	135	361	472	215	351	65	5985
	No. in sample	3	6	17	23	14	7	2	5	7	3	5	1	93
	x length	64.0	60.3	61.1	61.2	65.8	66.4	67.5	72.2	67.4	71.7	70.2	65.0	64.4
Stat. areas 6-12	Total length	4568	12989	6122	3621	2185	1053	474	70	66	1406	1267	662	34483
	No. in sample	86	241	112	63	37	18	8	1	1	23	20	10	620
	x length	53.1	53.9	54.7	57.5	59.0	58.5	59.2	70.0	66.0	61.1	63.3	66.2	55.6
Stat. areas 25-27	Total length	622	1806	2260	1413	1061	113	679	427	-	177	122	-	8680
	No. in sample	12	34	41	26	18	2	11	7	-	3	2	-	156
	x length	51.8	53.1	55.1	54.3	58.9	56.5	61.7	61.0	-	59.0	61.0	-	55.6
Stat. areas 21-24	Total length	2124	5055	2002	3926	1482	1537	934	57	125	4663	1626	-	23531
	No. in sample	43	99	39	73	27	29	17	1	2	83	28	-	441
	x length	49.4	51.1	51.3	53.8	54.9	53.0	54.9	57.0	62.5	56.2	58.1	-	53.4
Stat. areas 13-19+29 (Georgia Strait)	Total length	2553	5883	5799	4869	5591	4469	3477	2000	1012	1775	856	1187	39471
	No. in sample	48	110	108	91	104	82	64	37	19	33	16	21	733
	x length	53.2	53.5	53.7	53.5	53.8	54.5	54.3	54.1	53.6	53.8	53.5	56.5	53.8

TABLE 12. 1986 WESTCOAST TROLL LOG PROGRAM - MEAN FORK LENGTH OF CODED-WIRE TAGGED COHO OF U.S. ORIGIN BY STAT. AREAS AND STAT. WEEKS.

	Stat. week	June 15-21	June 22-28	June 29 -July 5	July 6-12	July 13-19	July 20-26	July 27 -Aug. 2	Aug. 3-9	Aug. 10-16	Aug. 17-23	Aug. 24-30	Aug. 31 -Sept. 5	Mean length all season
Stat. areas 1-5	Total length	61	-	71	367	328	279		138	413	624	530	-	2811
	No. in sample	1	-	1	6	5	4		2	6	9	8	-	42
	x length	61.0	-	71.0	61.2	65.6	69.8		69.0	68.8	69.3	66.3	-	66.9
Stat. areas 6-12	Total length	930	2818	669	416	512	109	57	-	-	260	548	63	6382
	No. in sample	17	52	12	7	8	2	1	-	-	4	8	1	112
	x length	54.7	54.2	55.8	59.4	64.0	54.5	57.0	-	-	65.0	68.5	63.0	57.0
Stat. areas 25-27	Total length	830	1221	2900	2263	1182	118	1086	1216	367	190	68	-	11441
	No. in sample	16	23	52	39	20	2	18	19	6	3	1	-	199
	x length	51.9	53.1	55.8	58.0	59.1	59.0	60.3	64.0	61.2	63.3	68.0	-	57.5
Stat. areas 21-24	Total length	9154	16509	9708	15771	6514	6027	5852	93	168	17721	7186	-	94703
	No. in sample	178	317	182	285	116	110	105	2	3	302	125	-	1725
	x length	51.4	52.1	53.3	53.8	56.2	54.8	55.7	46.5	56.0	58.7	57.5	-	54.9
Stat. areas 13-19+29 (Georgia Strait)	Total length	432	815	979	444	338	286	256	318	54	208	-	283	4413
	No. in sample	8	15	18	8	6	5	5	6	1	4	-	5	81
	x length	54.0	54.3	54.4	55.5	56.3	57.2	51.2	53.0	54.0	52.0	-	56.6	54.5

West Coast Troll Log Programs

1984-1986 Summaries

Table 13. 1984-1986 West coast troll log program. Recovery of coded-wire tags - CHINOOK.

Stat. Area	B.C.	Washington	Oregon	Alaska	California	Idaho	No pin in head	Pin unreadable	Head not recovered	Total heads delivered
1	113	90	149	21	-	3	54	5	49	484
2E	19	25	70	-	-	2	17	1	4	138
2W	27	42	63	1	-	1	22	2	13	171
3	1	-	-	-	-	-	-	-	-	1
4	-	2	2	-	-	-	1	-	1	6
5	2	5	-	-	-	1	2	-	1	11
1-5	162	164	284	22	-	7	96	8	68	811
6	13	7	9	-	-	-	2	-	6	37
7	54	4	9	2	-	-	8	-	12	89
8	7	1	2	-	-	-	2	-	2	14
9	-	1	-	-	-	-	-	-	1	2
10	12	2	1	-	-	-	-	1	17	33
11	39	24	24	-	1	1	3	1	13	106
12	2	-	-	-	-	-	-	-	-	2
6-12	127	39	45	2	1	1	15	2	51	283
25	11	21	12	-	-	-	3	-	17	64
26	21	16	24	-	1	1	5	3	11	82
27	22	26	41	-	2	1	8	-	27	127
25-27	54	63	77	-	3	2	16	3	55	273
21	15	38	20	-	2	3	12	-	5	95
23	96	166	99	-	17	3	44	3	135	563
24	23	57	43	-	6	1	14	6	33	183
21-24	134	261	162	-	25	7	70	9	173	841
13	-	-	-	-	-	-	-	-	1	1
14	34	1	-	-	-	-	7	-	4	46
15	62	3	-	-	-	-	8	-	3	76
16	2	-	-	-	-	-	1	-	-	3
13-16	98	4	-	-	-	-	16	-	8	126
17	1	-	-	-	-	-	2	-	-	3
18	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-
17-29	1	-	-	-	-	-	2	-	-	3

Table 14. 1984-1986 West coast troll log program. Recovery of coded-wire tags - CHINOOK.

	North coast area 1-5	Central coast area 6-12	Northwest Vancouver Is. area 25-27	Southwest Vancouver Is. area 21-24	North Georgia St. area 13-16	South Georgia St. area 17-19+29	Total
Total chinook heads delivered:	811	283	273	841	126	3	2337
No. chinook heads not recovered:	68	51	55	173	8	-	355
No. chinook heads with "no pin"	96	15	16	70	16	2	215
No. chinook heads with pin "unreadable"	8	2	3	9	-	-	22
No. chinook heads with readable pins:	639	215	199	589	102	1	1745
Origin of tagged chinook with readable pins:							
British Columbia	162	127	54	134	98	1	576
U.S. Washington	164	39	63	261	4	-	531
U.S. Oregon	284	45	77	162	-	-	568
U.S. Alaska	22	2	-	-	-	-	24
U.S. California	-	1	3	25	-	-	29
U.S. Idaho	7	1	2	7	-	-	17
TOTAL	639	215	199	589	102	1	1745
Percent Canadian tags:	25.4	59.1	27.1	22.8	96.1	100.0	
Percent U.S. tags:	74.6	40.9	72.9	77.2	3.9	0.0	

Table 15. 1984-1986 West coast troll log program. Recovery of coded-wire tags - COHO.

Stat. Area	B.C.	Wash.	Oregon	Alaska	Calif.	Idaho	No pins	Pin unreadable	Heads not recovered	Total no.heads delivered
1	62	16	3	62	-	-	42	1	33	219
2E	39	-	-	7	-	-	19	1	5	71
2W	20	12	-	6	-	-	2	-	11	51
3	-	-	-	1	-	-	1	-	-	2
4	1	-	-	2	-	-	2	1	1	7
5	25	4	-	3	-	-	12	2	-	46
1-5	147	32	3	81	-	-	78	5	50	396
6	6	2	-	-	-	-	3	-	-	11
7	17	1	-	1	-	-	10	1	4	34
8	6	1	-	1	-	-	1	-	3	12
9	7	-	-	-	-	-	1	1	5	14
10	40	3	1	2	-	-	13	-	21	79
11	819	133	2	4	-	-	146	9	169	1283
12	2	-	-	-	-	-	-	-	6	8
6-12	897	140	3	8	-	-	174	11	208	1441
25	307	289	16	-	-	-	86	8	221	927
26	226	160	5	1	-	-	52	18	75	537
27	218	96	9	-	-	-	47	2	73	445
25-27	751	545	30	1	-	-	185	28	369	1909
21	218	634	52	-	-	-	138	12	103	1157
23	604	1840	150	3	-	-	412	21	503	3533
24	307	527	32	1	-	-	132	5	283	1287
21-24	1129	3001	234	4	-	-	682	38	889	5977
13	6	-	-	-	-	-	1	-	11	18
14	1132	98	-	-	-	-	160	10	103	1503
15	228	13	-	-	-	-	18	3	12	274
16	51	3	-	-	-	-	4	-	1	59
13-16	1417	114	-	-	-	-	183	13	127	1854
17	28	2	-	-	-	-	7	-	1	38
18	1	-	-	-	-	-	1	-	-	2
19	-	-	-	-	-	-	-	-	-	-
29	11	2	-	-	-	-	-	-	-	13
17-29	40	4	-	-	-	-	8	-	1	53

Table 16. 1984-1986 West coast troll log program. Recovery of coded-wire tags - COHO.

	North coast area 1-5	Central coast area 6-12	Northwest Vancouver Is. area 25-27	Southwest Vancouver Is. area 21-24	North Georgia St. area 13-16	South Georgia St. area 17-19+29	Total
Total coho heads delivered:	396	1441	1909	5977	1854	53	11630
No. coho heads not recovered:	50	208	369	889	127	1	1644
No. coho heads with "no pin"	78	174	185	682	183	8	1310
No. coho heads with pin "unreadable"	5	11	28	38	13	-	95
No. coho heads with readable pins:	263	1048	1327	4368	1531	44	14679
Origin of tagged coho with readable pins:							
British Columbia	147	897	751	1129	1417	40	4381
U.S. Washington	32	140	545	3001	114	4	3836
U.S. Oregon	3	3	30	234	-	-	270
U.S. Alaska	81	8	1	4	-	-	94
U.S. California	-	-	-	-	-	-	-
U.S. Idaho	-	-	-	-	-	-	-
TOTAL	263	1048	1327	4368	1531	44	8581
Percent Canadian tags:	55.9	85.6	56.6	25.8	92.6	90.9	
Percent U.S. tags:	44.1	14.4	43.4	74.2	7.4	0.9	

Table 17. 1984-1986 West Coast Troll Log Program - Ages and mean fork lengths (cm) of recovered coded-wire tagged CHINOOK.

Statistical area	Age 3			Age 4			Age 5			Age 6			Total all ages		
	No. of chinook	%	Average length	No. of chinook	%	Average length	No. of chinook	%	Average length	No. of chinook	%	Average length	No. of chinook	%	Average length
1	94	26.1	69.4	207	57.5	82.1	56	15.6	92.6	3	0.8	94.0	360	100.0	80.5
2E	90	77.6	67.3	24	20.7	79.4	2	1.7	84.5	-	-	-	116	100.0	70.1
2W	20	15.0	68.5	79	59.4	85.6	32	24.1	93.2	2	1.5	93.0	133	100.0	85.0
3	1	100.0	65.0	-	-	-	-	-	-	-	-	-	1	100.0	65.0
4	2	66.7	65.0	-	-	-	1	33.3	91.0	-	-	-	3	100.0	73.7
5	4	57.1	64.3	3	42.9	78.0	-	-	-	-	-	-	7	100.0	70.2
1-5	211	34.0	68.3	313	50.5	82.7	91	14.7	92.6	5	0.8	93.6	620	100.0	79.3
6	11	37.9	69.5	13	44.8	82.9	5	17.3	91.6	-	-	-	29	100.0	79.3
7	11	15.9	68.4	45	65.2	87.3	11	16.0	93.5	2	2.9	108.5	69	100.0	85.9
8	4	40.0	66.5	4	40.0	85.2	2	20.0	90.5	-	-	-	10	100.0	78.8
9	1	100.0	62.0	-	-	-	-	-	-	-	-	-	1	100.0	62.0
10	11	73.3	65.6	4	26.7	82.3	-	-	-	-	-	-	15	100.0	70.1
11	44	50.6	67.5	39	44.8	79.3	4	4.6	96.0	-	-	-	87	100.0	74.1
12	2	100.0	62.5	-	-	-	-	-	-	-	-	-	2	100.0	62.5
6-12	84	39.4	67.4	105	49.3	83.5	22	10.3	93.3	2	1.0	108.5	213	100.0	78.4
25	26	60.5	67.7	16	37.2	81.0	1	2.3	92.0	-	-	-	43	100.0	73.2
26	19	31.1	68.0	32	52.5	73.4	10	16.4	86.7	-	-	-	61	100.0	73.9
27	32	35.6	68.9	51	56.6	75.5	7	7.8	88.8	-	-	-	90	100.0	74.2
25-27	77	39.7	68.3	99	51.0	75.7	18	9.3	87.8	-	-	-	194	100.0	73.9
21	37	84.1	66.0	7	15.9	81.6	-	-	-	-	-	-	44	100.0	68.5
23	226	63.5	66.5	123	34.6	75.1	7	1.9	76.8	-	-	-	356	100.0	69.7
24	70	55.1	68.3	52	41.0	77.4	5	3.9	81.4	-	-	-	127	100.0	72.5
21-24	333	63.2	66.8	182	34.5	76.0	12	2.3	78.7	-	-	-	527	100.0	70.3

Table 17 (cont'd)

Statistical area	Age 3			Age 4			Age 5			Age 6			Total all ages		
	No. of chinook	%	Average length	No. of chinook	%	Average length	No. of chinook	%	Average length	No. of chinook	%	Average length	No. of chinook	%	Average length
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	25	73.5	64.4	9	26.5	72.6	-	-	-	-	-	-	34	100.0	66.6
15	60	96.8	65.3	2	3.2	88.0	-	-	-	-	-	-	62	100.0	66.0
16	2	100.0	56.5	-	-	-	-	-	-	-	-	-	2	100.0	56.5
13-16	87	88.8	64.8	11	11.2	75.4	-	-	-	-	-	-	98	100.0	
17	1	100.0	62.0	-	-	-	-	-	-	-	-	-	1	100.0	62.0
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-29	1	100.0	62.0	-	-	-	-	-	-	-	-	-	1	100.0	62.0

Table 18. 1984-1986 West Coast Troll Log Program. Flesh colour of coded-wire tagged CHINOOK.

Total chinook graded for colour	No. of "red" chinook	%	No. of "white" chinook	%	No. of pins in "white" chinook recovered
1874	1750	93.4	124	6.6	100

Origin of readable "white" chinook

Release sites	Caught Area 1-5	Caught Area 6-12	Caught Area 25-27	Caught Area 21-24	Caught Area 13-16	Total
Atnarko R.	2	-	-	-	-	2
Hirsch R.	3	-	-	-	-	3
Kitimat R.	1	-	-	-	-	1
Chilliwack R.	2	11	4	33	3	53
Harrison/Chehalis R.	1	6	4	17	2	30
Capilano R.	-	2	-	-		2
Tenderfoot Cr.	-	-	-	-	1	1
Shovelnose Cr.	-	-	-	-	1	1
Washington	-	-	-	2	-	2
Oregon	-	1	-	1	-	2
Alaska	2	1	-	-	-	3
Totals	11	21	8	53	7	100

Table 19. 1984-1986 West Coast Troll Log Programs. Average catch and time fished per boat by "outside" trollers Areas 1-12, 21-27.

	1984	1985	1986
Number of boats:	69	82	79
Total hours fished:	64246.0	69572.0	54099.0
Total hours per boat:	931	848	685
Total days logged:	5081	5537	4220
Log days per boat:	74	68	53
Hours fished per log day:	12.6	12.6	12.8
Chinook:			
Kept:	44579	38122	28004
Per boat:	646	465	354
Per log day:	8.8	6.9	6.6
Per hour:	0.69	0.55	0.52
Coho:			
Kept:	155777	136172	280463
Per boat:	2258	1661	3550
Per log day:	30.7	24.6	66.5
Per hour:	2.42	1.96	5.18
Sockeye:			
Kept:	2581	59707	113175
Per boat:	37	728	1433
Per log day:	0.5	10.8	26.8
Per hour:	0.04	0.86	2.09
Pink:			
Kept:	92040	248621	88276
Per boat:	1334	3032	1117
Per log day:	18.1	44.9	20.9
Per hour:	1.43	3.57	1.63
Chum:			
Kept:	6562	37879	39947
Per boat:	95	462	506
Per log day:	1.3	6.8	9.5
Per hour:	0.10	0.54	0.94

Table 20. 1985 and 1986 Strait of Georgia troll log programs. Average catch and time fished per boat by "inside" trollers, areas 13-19+29.

	1985	1986
Number of boats:	21	18
Total hours fished:	7758.0	9278.0
Total hours per boat:	369	515
Total days logged:	771	961
Log days per boat:	37	53
Hours fished per log day:	10.1	9.7
Chinook:		
Kept:	8939	4943
Per boat:	426	275
Per log day:	11.6	5.1
Per hour:	1.15	0.53
Coho:		
Kept:	23240	26513
Per boat:	1107	1473
Per log day:	30.1	27.6
Per hour:	3.00	2.86
Sockeye:		
Kept:	5125	13131
Per boat:	244	730
Per log day:	6.6	13.7
Per hour:	0.66	2.66
Pink:		
Kept:	8951	16
Per boat:	426	<1
Per log day:	11.6	
Per hour:	1.15	
Chum:		
Kept:	35	10
Per boat:	2	<1
Per log day:	0.05	
Per hour:	<0.01	

DEPARTMENT OF FISHERIES & OCEANS
PACIFIC BIOLOGICAL STATION
NANAIMO, BRITISH COLUMBIA

TROLL LOG

№ 38590

VESSEL: NORTHERN HAWK CFV NO. 12345

DATE: AUG. 12 1986 NO. HOURS FISHED: 14
(LINES IN THE WATER)

LOCATION FISHED: BROOKS BAY

(GIVE 1 MAP LOCATION OR 1 LORAN POSITION (2 COORDINATES) FOR LOCATION FISHED MOST OF DAY)

NO. FISH KEPT:

CHINOOK	COHO	SOCKEYE	PINK	CHUM			
16	48	113	/	/			

ADIPOSE CLIPPED FISH.

FISH COLOUR FOR CHINOOK R = RED W = WHITE

SPECIES	FORK LENGTH CM	STRAP TAG NO.	R OR W
CHIN	74	171643	R
COHO	59	171654	
COHO	61	171649	

SPECIES	FORK LENGTH CM.	STRAP TAG NO.	R OR W

REMARKS: ABOUT 9 KILLER WHALES AT 11:20 AM HEADING SOUTH.

Fig. 1. Example of daily log sheet from 1986 Troll Log Program.

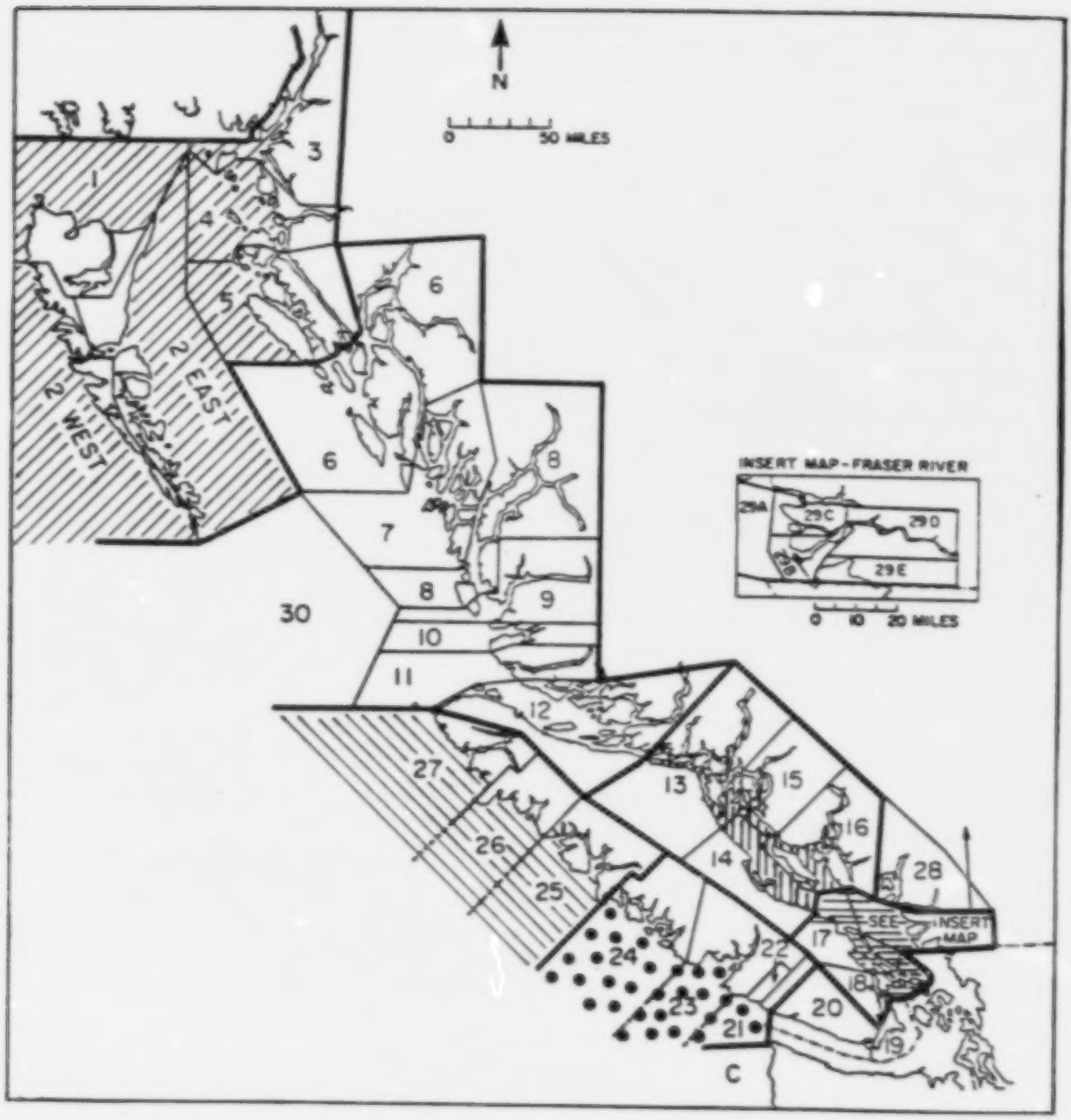

Fig. 2. Map of statistical areas of British Columbia indicating combined areas.

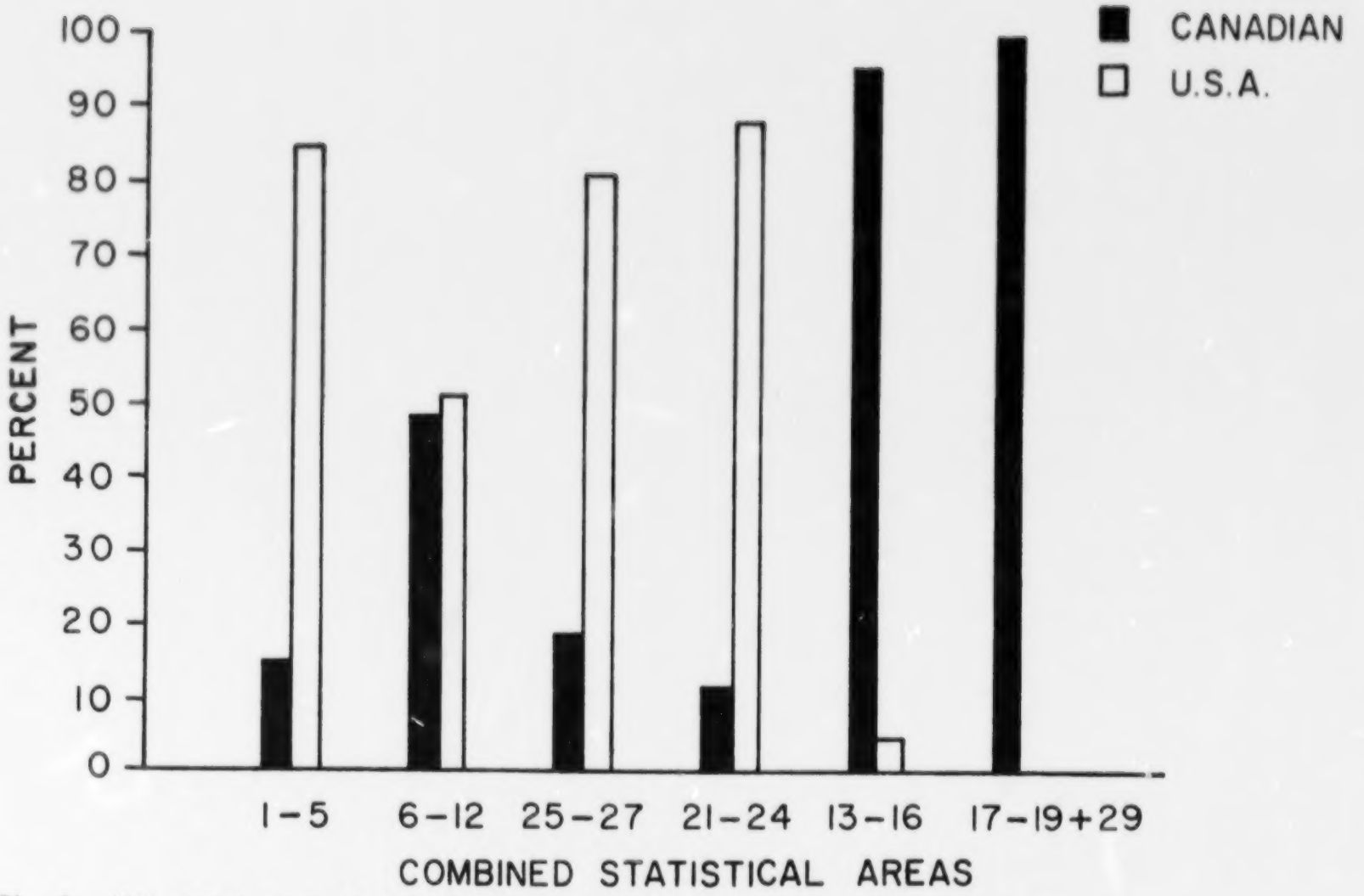

Fig. 3. 1986 West Coast Troll Log Program. Recoveries of coded-wire tagged CHINOOK of Canadian and U.S. origin.

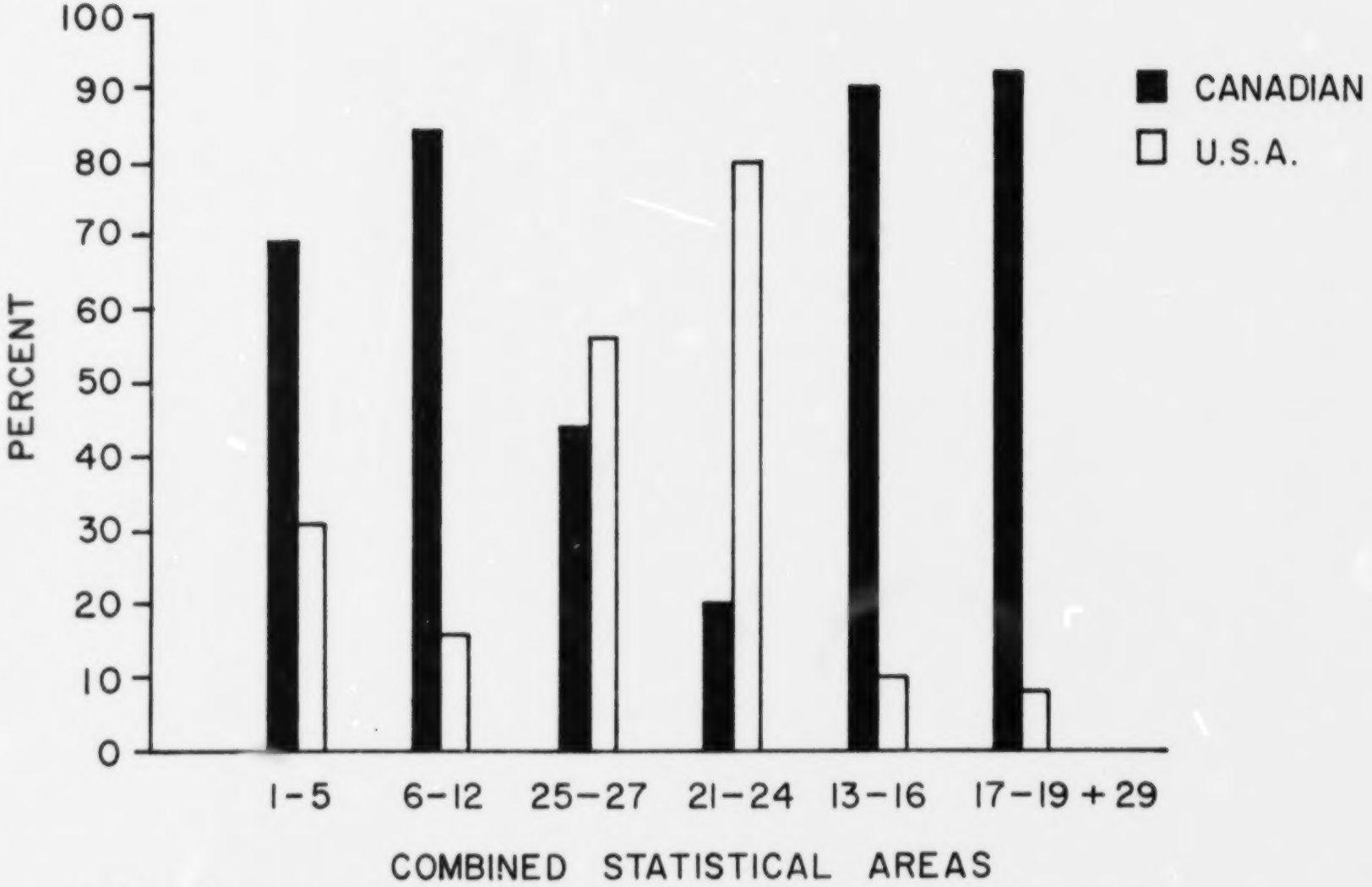

Fig. 4. 1986 West Coast Troll Log Program. Recoveries of coded-wire tagged COHO of Canadian and U.S. origin.

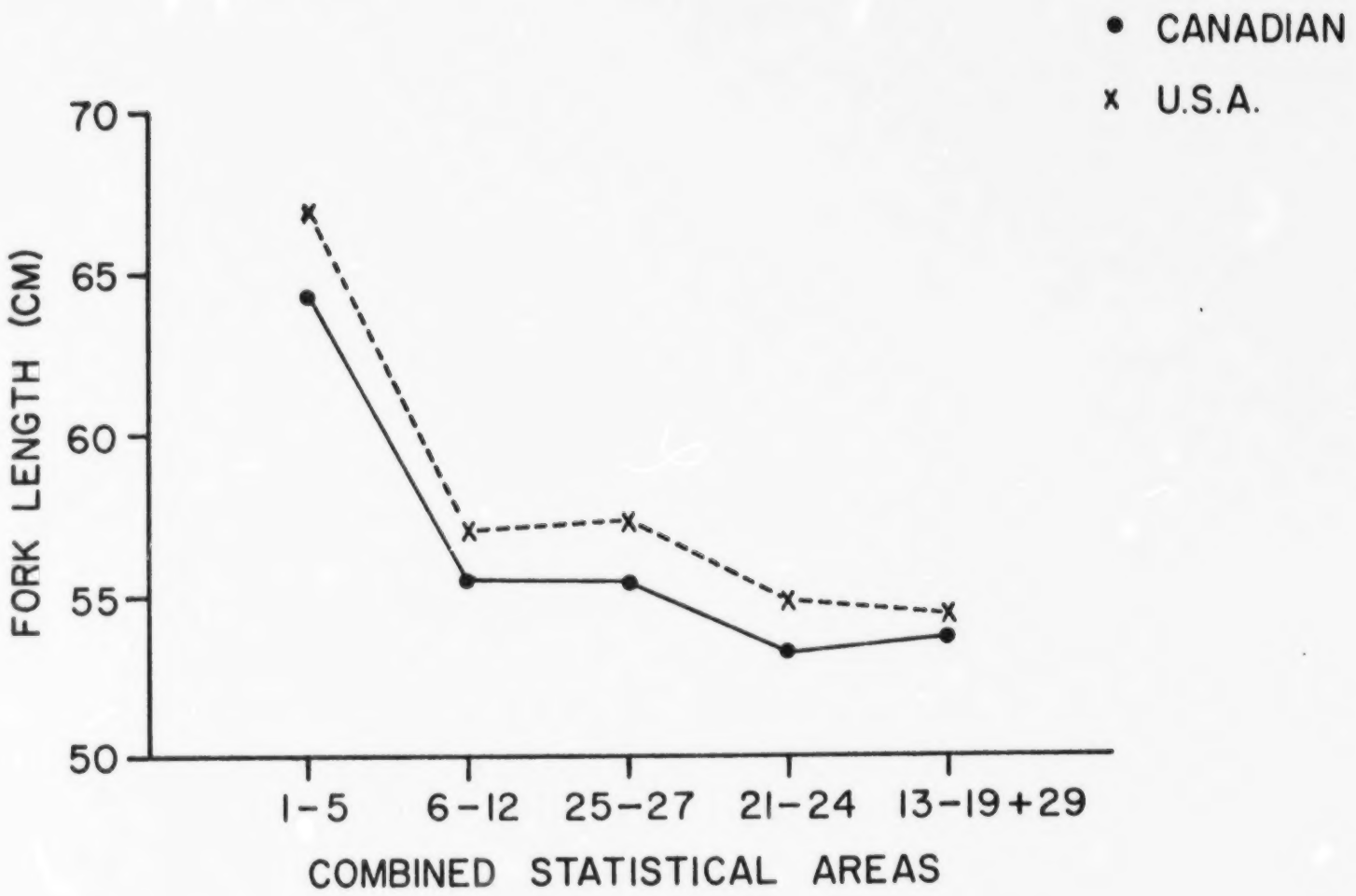

Fig. 5. 1986 West Coast Troll Log Program. Mean fork length of coded-wire tagged COHO in combined statistical areas.

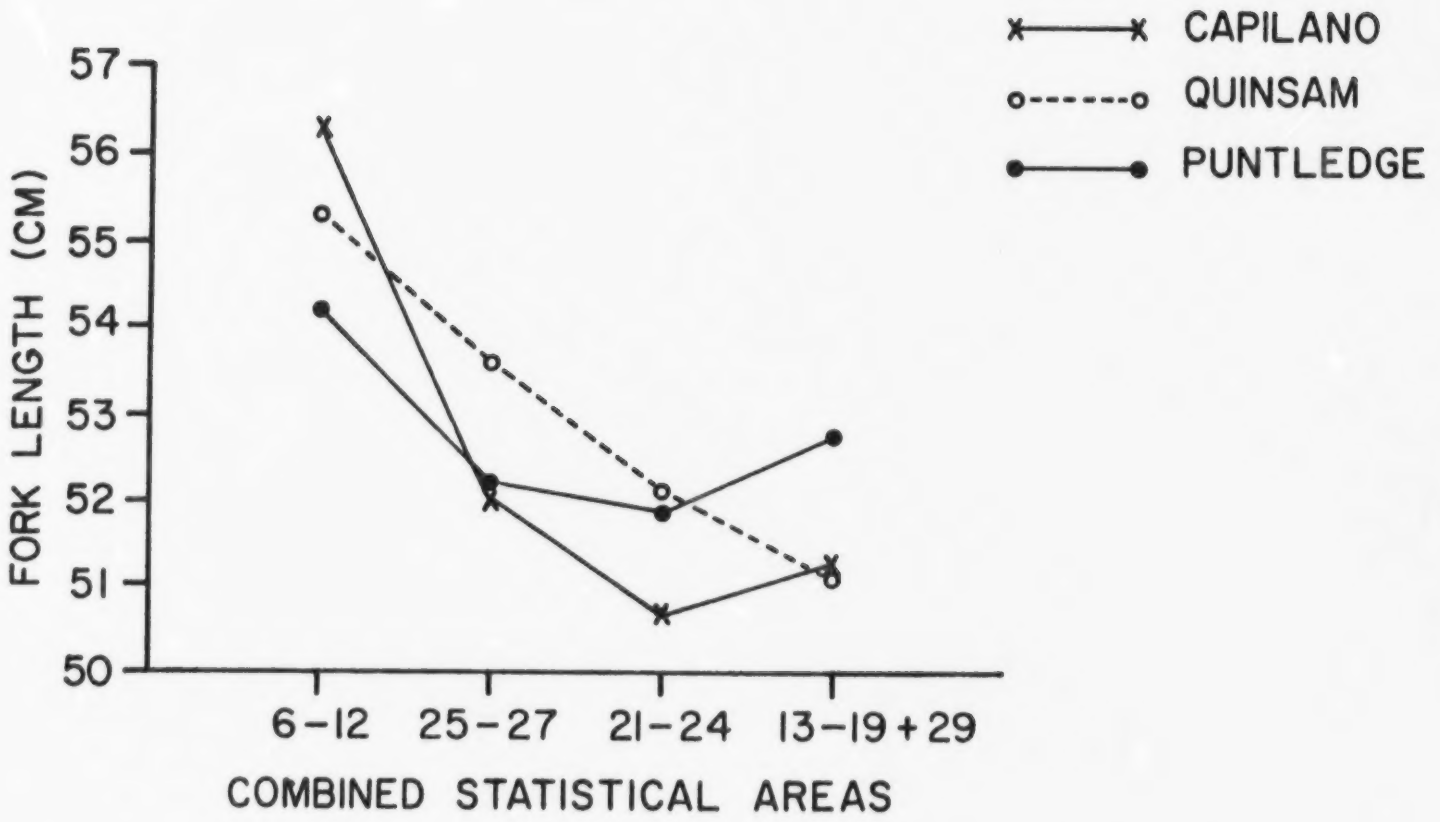

Fig. 6. 1986 West Coast Troll Log Program. Mean fork length of coded-wire tagged COHO from 3 Canadian hatcheries recovered in different combined statistical areas.

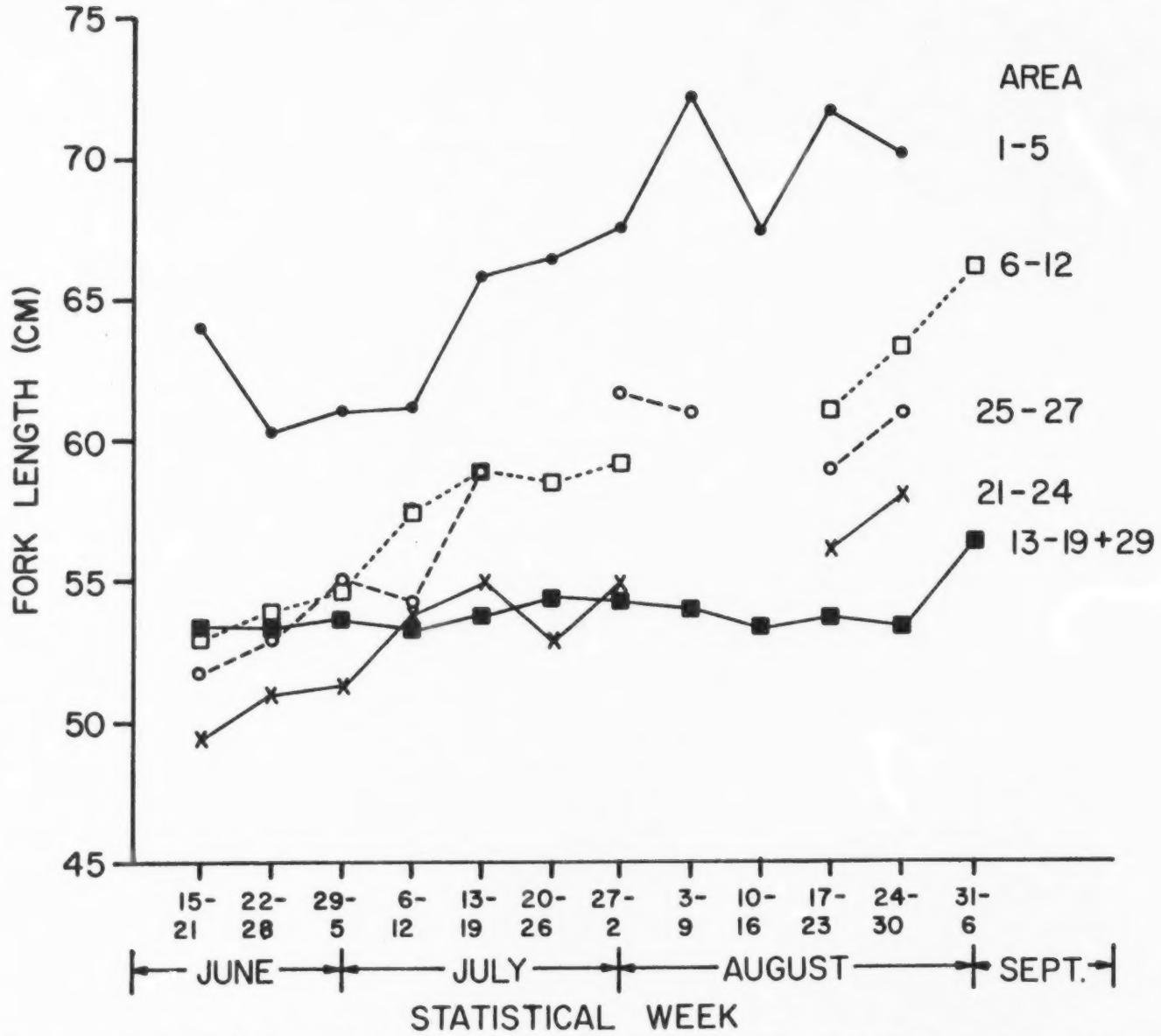

Fig. 7. 1986 West Coast Troll Log Program. Comparison of mean fork length of coded-wire tagged COHO (Canadian) in different combined statistical areas.

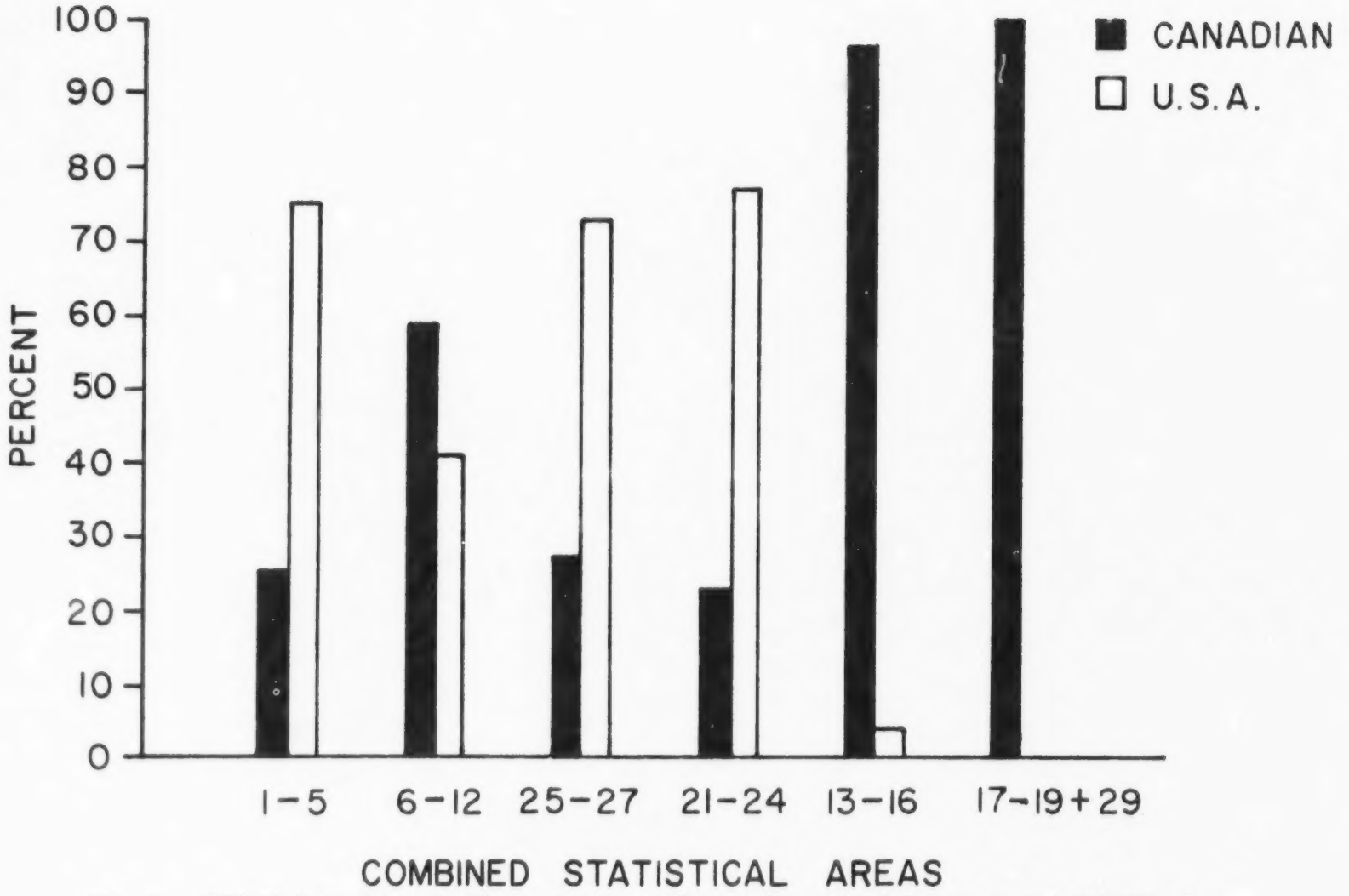

Fig. 8. 1984-86 West Coast Troll Log Program. Recoveries of coded-wire tagged CHINOOK of Canadian and U.S. origin.

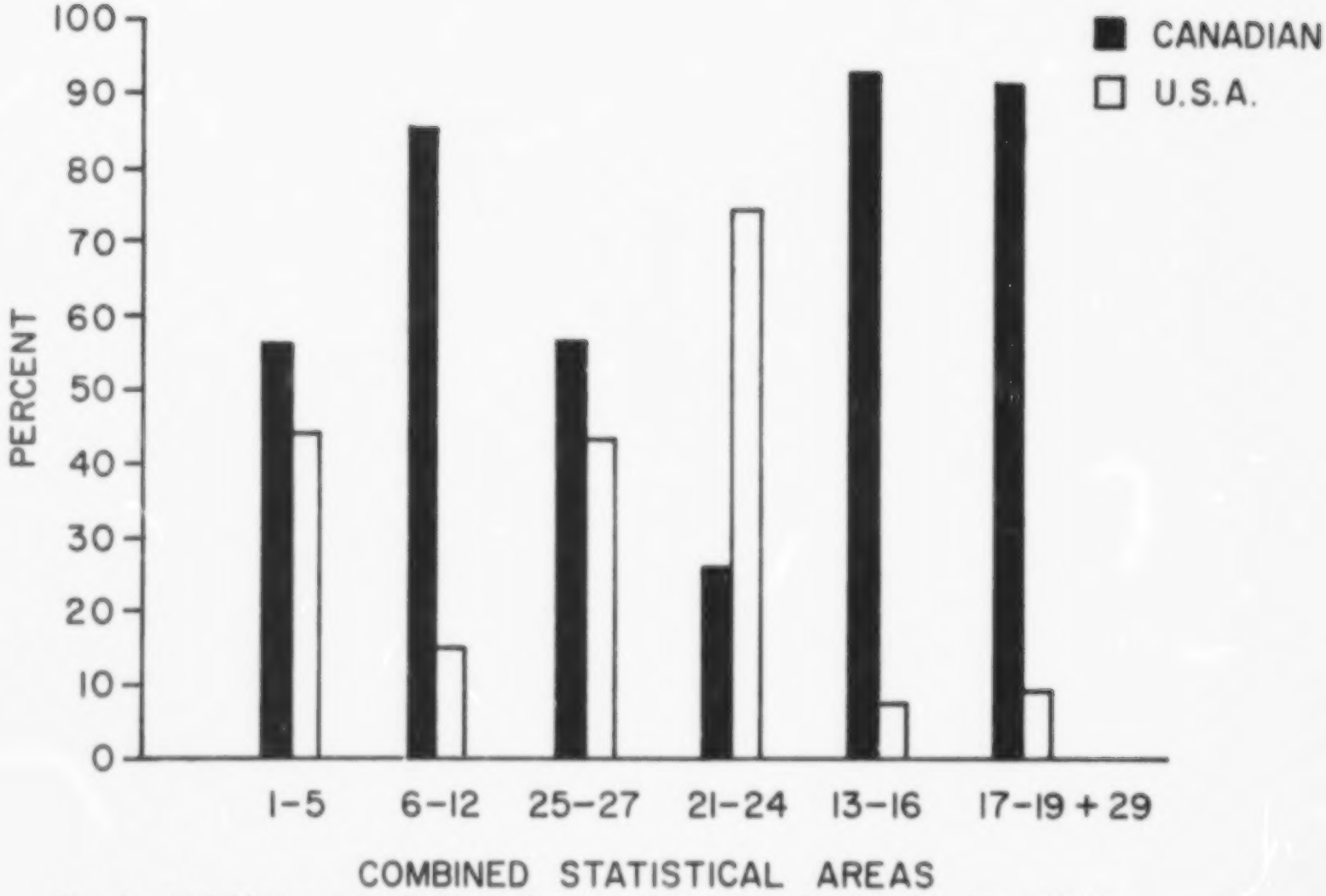

Fig. 9. 1984-86 West Coast Troll Log Program. Recoveries of coded-wire tagged COHO of Canadian and U.S. origin.

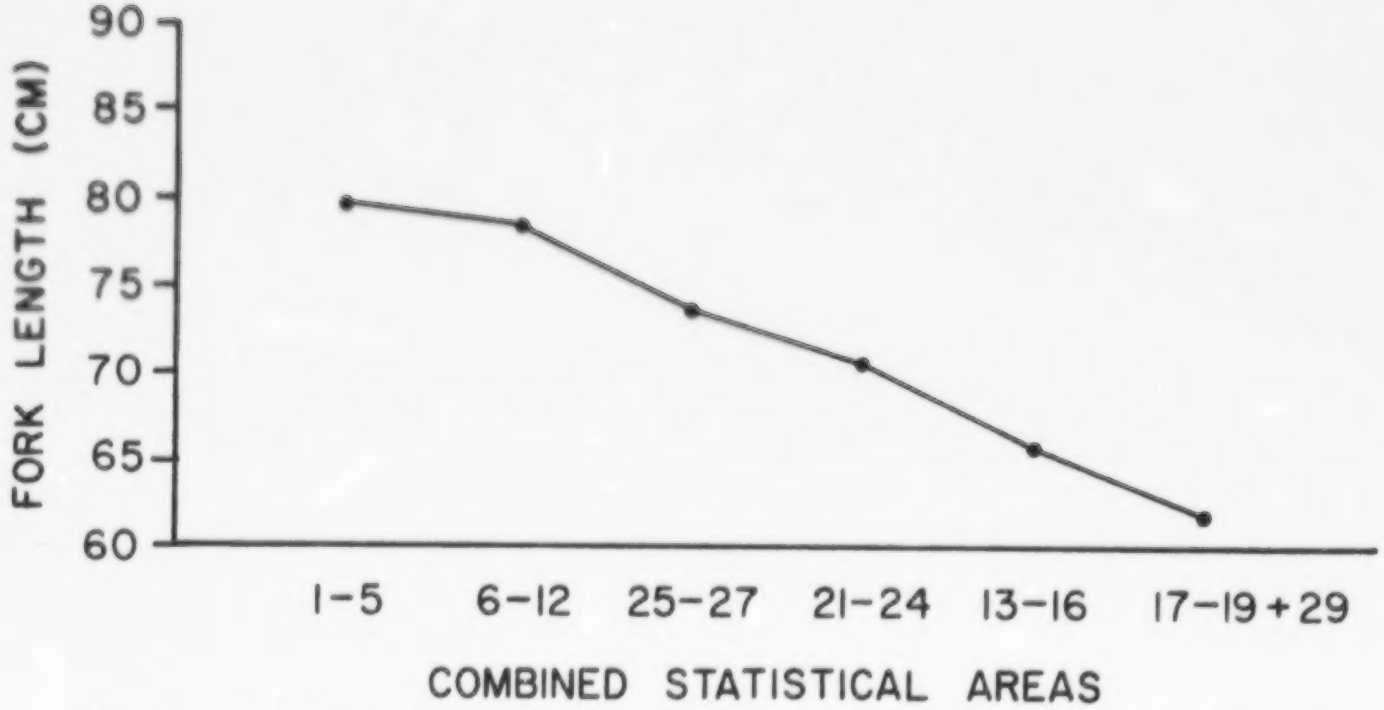

Fig. 10. 1984-1986 West Coast Troll Log Program. Mean fork length (cm) of coded-wire tagged CHINOOK - All ages combined.

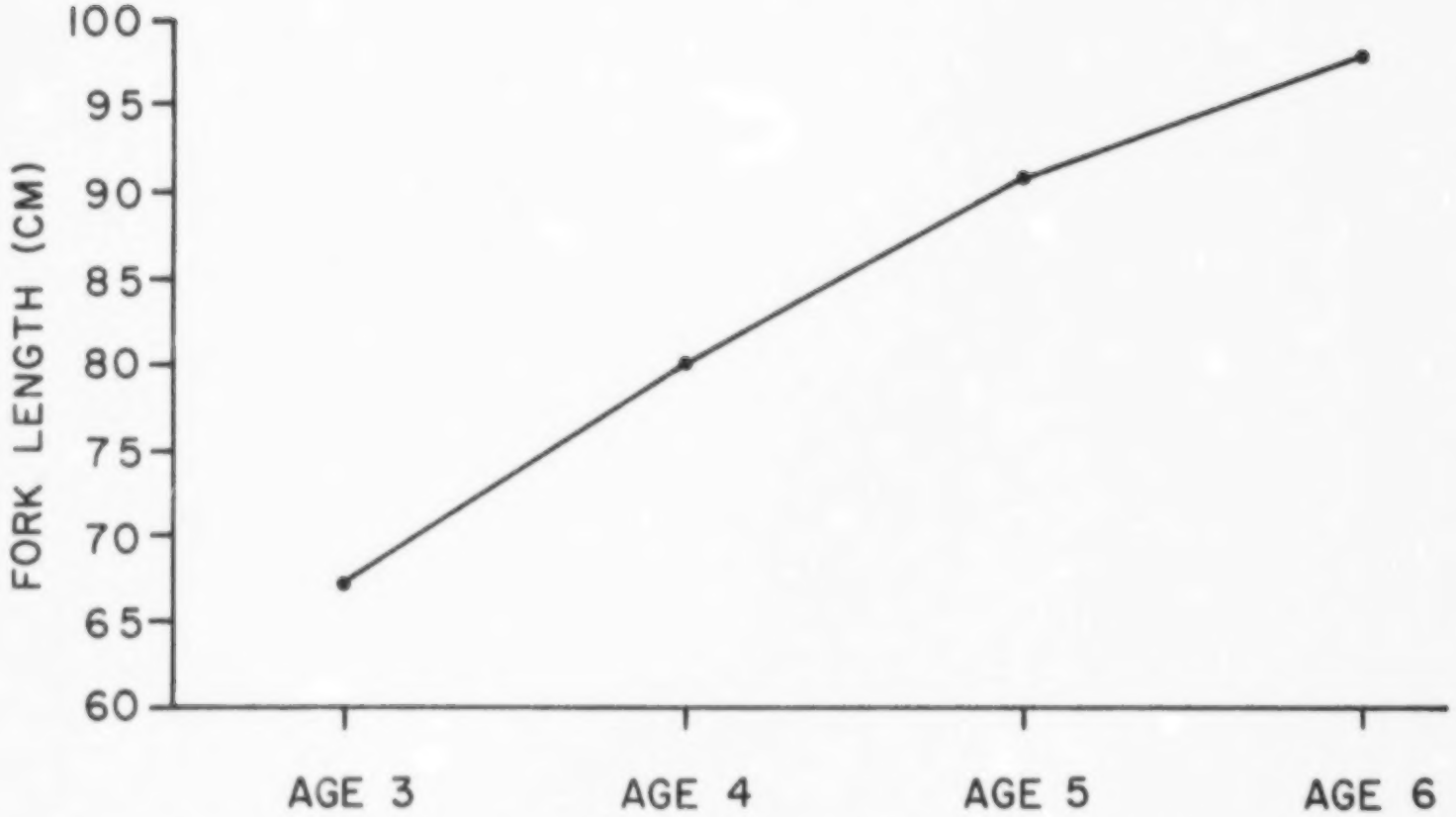

Fig. 11. 1984-1986 West Coast Troll Log Program. Mean fork length (cm) of coded-wire tagged CHINOOK by age.

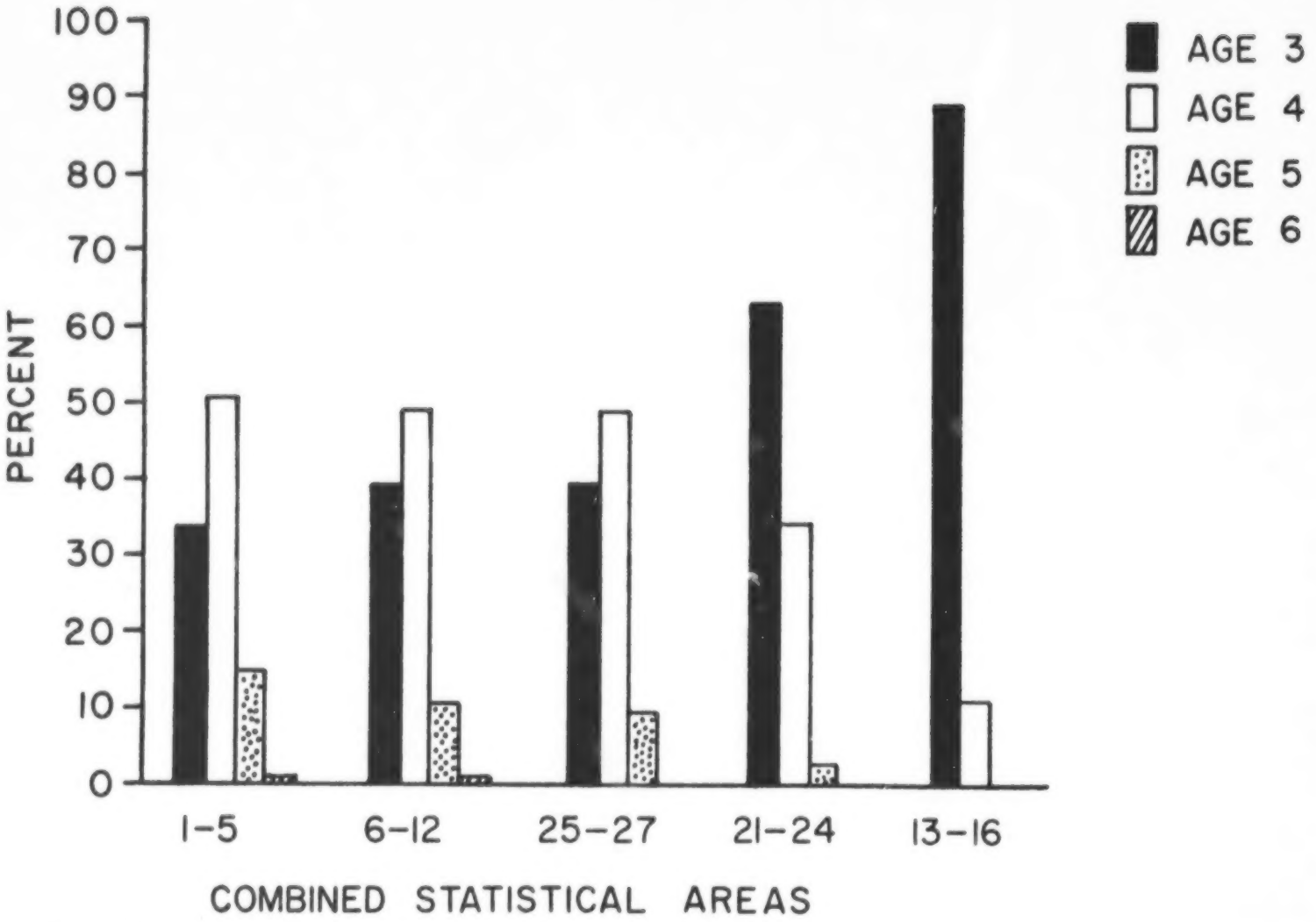

Fig. 12. 1984-86 West Coast Troll Log Program. Percentages of ages of coded-wire tagged CHINOOK.